Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal653adk

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'HCAPLUS, BEILSTEIN' AT 09:11:49 ON 08 DEC 2004
FILE 'HCAPLUS' ENTERED AT 09:11:49 ON 08 DEC 2004
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FILE 'BEILSTEIN' ENTERED AT 09:11:49 ON 08 DEC 2004
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licensed to Beilstein GmbH and MDL Information Systems GmbH

COST IN U.S. DOLLARS SINCE FILE
TOTAL ENTRY
SESSION
FULL ESTIMATED COST 245.32
464.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
TOTAL ENTRY
SESSION
CA SUBSCRIBER PRICE 0.00 -
3.96

=> fil reg
COST IN U.S. DOLLARS SINCE FILE
TOTAL ENTRY
SESSION
FULL ESTIMATED COST 245.32
464.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
TOTAL ENTRY
SESSION
CA SUBSCRIBER PRICE 0.00 -
3.96

FILE 'REGISTRY' ENTERED AT 09:11:55 ON 08 DEC 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7
DICTIONARY FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7

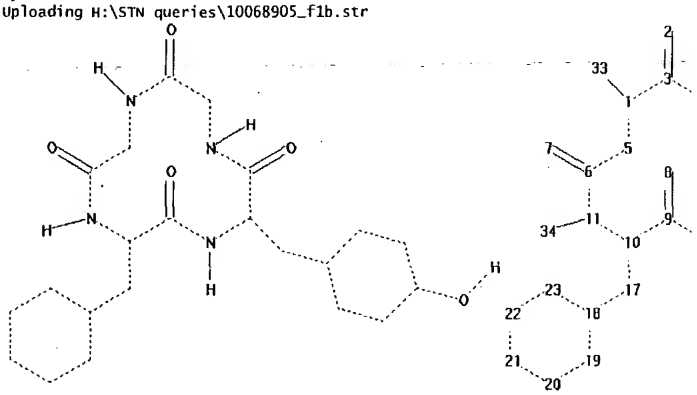
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading H:\STN queries\10068905_f1b.str

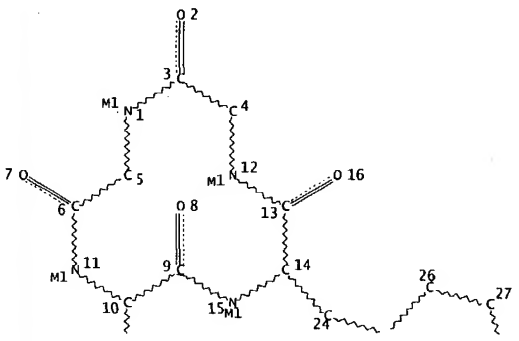


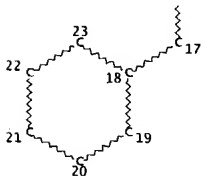
chain nodes :
2 7 8 16 17 24 31 32 33 34 35 36
ring nodes :
1 3 4 5 6 9 10 11 12 13 14 15 18 19 20 21 22 23 25 26 27 28 29 30
chain bonds :
1-33 2-3 6-7 8-9 10-17 11-34 12-32 13-16 14-24 15-31 17-18 24-25 28-35 35-36
ring bonds :
1-5 1-3 3-4 4-12 5-6 6-11 9-10 9-15 10-11 12-13 13-14 14-15 18-19 18-23 19-20 20-21 21-22 22-23 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
1-5 1-3 2-3 3-4 4-12 5-6 6-7 6-11 8-9 9-10 9-15 10-11 10-17 12-13 13-14 13-16 14-15 14-24 17-18 18-19 18-23 19-20 20-21 21-22 22-23 24-25 25-26 25-30 26-27 27-28 28-29 28-35 29-30 35-36
exact bonds :
1-33 11-34 12-32 15-31

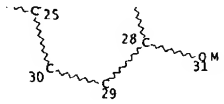
Match level :
1:Atom 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS

L7 STRUCTURE UPLOADED

=> d l7
L7 HAS NO ANSWERS
L7 STR







1

Page 2-B
NODE ATTRIBUTES:
HCOUNT IS M1 AT 1
HCOUNT IS M1 AT 11
HCOUNT IS M1 AT 12
HCOUNT IS M1 AT 15
HCOUNT IS M1 AT 31
NSPEC IS R AT 1
NSPEC IS C AT 2
NSPEC IS R AT 3
NSPEC IS R AT 4
NSPEC IS R AT 5
NSPEC IS R AT 6
NSPEC IS C AT 7
NSPEC IS C AT 8
NSPEC IS R AT 9
NSPEC IS R AT 10
NSPEC IS R AT 11
NSPEC IS R AT 12
NSPEC IS R AT 13
NSPEC IS R AT 14
NSPEC IS R AT 15
NSPEC IS C AT 16
NSPEC IS C AT 17
NSPEC IS R AT 18
NSPEC IS R AT 19
NSPEC IS R AT 20
NSPEC IS R AT 21
NSPEC IS R AT 22
NSPEC IS R AT 23
NSPEC IS C AT 24
NSPEC IS R AT 25
NSPEC IS R AT 26
NSPEC IS R AT 27
NSPEC IS R AT 28
NSPEC IS R AT 29

```
NSPEC   IS R      AT  30
NSPEC   IS C      AT  31
DEFAULT MLEVEL IS ATOM
MLEVEL  IS CLASS  AT   2  7  8 16 17 24 31
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  31

STEREO ATTRIBUTES: NONE


=> s l7
SAMPLE SEARCH INITIATED 09:12:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   1982 TO ITERATE

 50.5% PROCESSED    1000 ITERATIONS                          0
ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       36970 TO    42310
PROJECTED ANSWERS:              0 TO        0

L8             0 SEA SSS SAM L7

=> s l7 ful
FULL SEARCH INITIATED 09:12:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  39894 TO ITERATE

100.0% PROCESSED   39894 ITERATIONS                          6
ANSWERS
SEARCH TIME: 00.00.01

L9             6 SEA SSS FUL L7

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE
TOTAL
                                                ENTRY
SESSION
FULL ESTIMATED COST                            155.84
620.39

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE
TOTAL
                                                ENTRY
SESSION
CA SUBSCRIBER PRICE                              0.00
3.96

FILE 'CAPLUS' ENTERED AT 09:12:49 ON 08 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
```

```
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FILE COVERS 1907 - 8 Dec 2004  VOL 141 ISS 24
FILE LAST UPDATED: 6 Dec 2004  (20041206/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s l9
L10            3 L9

=> d l10 1-3 ibib hitstr

L10  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         2003:633749  CAPLUS Full-text
DOCUMENT NUMBER:          139:180347
TITLE:                    Preparation of histogranin-like peptides and
                          non-peptides
INVENTOR(S):              Lemaire, Simon; Bernatchez-Lemaire, Irma;
Le,
                          Hoang-Tanh
PATENT ASSIGNEE(S):       University of Ottawa, Can.
SOURCE:                   PCT Int. Appl., 59 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE         APPLICATION NO.
DATE
     ---------------      ----   --------     --------------------   --
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     WO 2003066673         A1    20030814     WO 2003-CA148
20030205
     WO 2003066673         C1    20031204
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA,
CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,
GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,
OM, PH,
```
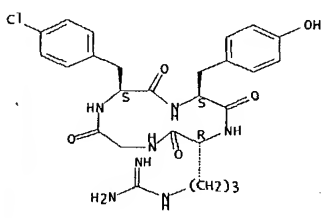

```
             PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR,
TT, TZ,
             UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK,
TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG
     US 2003176329         A1    20030918     US 2002-68905
20020207
     EP 1481002            A1    20041201     EP 2003-737222
20030205
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU,
SK
PRIORITY APPLN. INFO.:                       US 2002-68905       A
20020207
                                             WO 2003-CA148       W
20030205
OTHER SOURCE(S):          MARPAT 139:180347
IT   565468-97-5P 565468-98-6P 573720-47-5P
     573720-48-6P 573720-49-7P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation);
THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation);
USES
     (Uses)
        (preparation of histogranin-like peptides and non-peptides)
RN   565468-97-5  CAPLUS
CN   Cyclo(D-arginylglycyl-4-chloro-L-phenylalanyl-L-tyrosyl) (9CI)
(CA INDEX
     NAME)

Absolute stereochemistry.
```



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RN   565468-98-6  CAPLUS
CN   Cyclo(D-arginylglycyl-4-amino-L-phenylalanyl-L-tyrosyl) (9CI)
(CA INDEX
     NAME)

Absolute stereochemistry.
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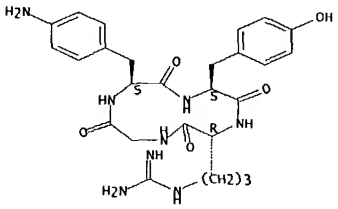
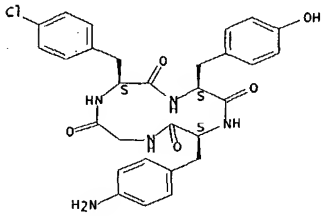


```
RN   573720-47-5  CAPLUS
CN   Cyclo(glycyl-4-chloro-L-phenylalanyl-L-tyrosyl-4-amino-L-
phenylalanyl)
     (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
```



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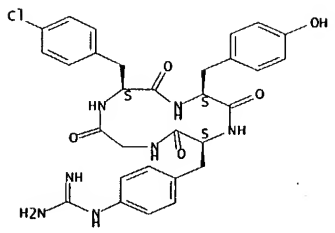
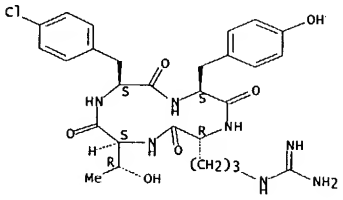
RN   573720-48-6  CAPLUS
CN   Cyclo[glycyl-4-chloro-L-phenylalanyl-L-tyrosyl-4-
[(aminoiminomethyl)amino]-
     L-phenylalanyl] (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
```



RN 573720-49-7 CAPLUS
CN Cyclo(D-arginyl-L-threonyl-4-chloro-L-phenylalanyl-L-tyrosyl) (9CI) (CA INDEX NAME)

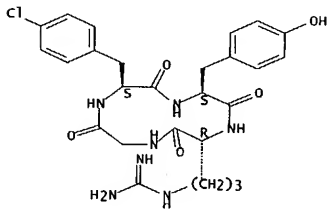
Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

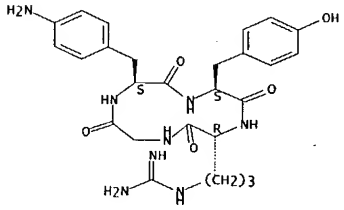
L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:421338 CAPLUS Full-text
DOCUMENT NUMBER: 139:133827
TITLE: Bioactive Peptidic Analogues and Cyclostereoisomers of the Minimal Antinociceptive Histogranin Fragment-(7-10)
AUTHOR(S): Le, Hoang-Thanh; Lemaire, Irma B.; Gilbert, Annie-Kim; Jolicoeur, Francois; Lemaire, Simon
CORPORATE SOURCE: Department of Cellular and Molecular Medicine, Faculty of Medicine, University of Ottawa, Ottawa, ON, K1H 8M5, Can.
SOURCE: Journal of Medicinal Chemistry (2003), 46(14), 3094-3101
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:133827
IT 565468-97-5P 565468-98-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and analgesic activity of cyclic peptide analogs of histogranin(7-10))
RN 565468-97-5 CAPLUS
CN Cyclo(D-arginylglycyl-4-chloro-L-phenylalanyl-L-tyrosyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



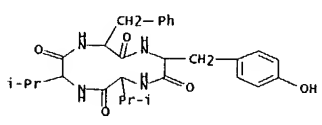
RN 565468-98-6 CAPLUS
CN Cyclo(D-arginylglycyl-4-amino-L-phenylalanyl-L-tyrosyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1980:406071 CAPLUS Full-text
DOCUMENT NUMBER: 93:6071
TITLE: Gushing-inducing peptides in beer produced by Penicillium chrysogenum
AUTHOR(S): Kitabatake, Katsuaki; Fukushima, Shuji; Kawasaki, Ichiro; Amaha, Mikio
CORPORATE SOURCE: Cent. Res. Lab., Asahi Brew. Ltd., Tokyo, 143, Japan
SOURCE: Peptide Chemistry (1980), Volume Date 1979, 17th, 7-12
CODEN: PECHDP; ISSN: 0388-3698
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 73787-51-6
RL: BIOL (Biological study)
(beer gushing induction by)
RN 73787-51-6 CAPLUS
CN Cyclo(D-phenylalanyl-L-tyrosyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



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=> DIS HIST

     (FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004)

     FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004
L1             STRUCTURE UPLOADED
L2               6 S L1 SAM
L3             147 S L1 FUL

     FILE 'HCAPLUS, BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004
L4              96 S L3
L5              96 DUP REM L4 (0 DUPLICATES REMOVED)
L6              64 L4 AND PD<20020207

     FILE 'REGISTRY' ENTERED AT 09:11:55 ON 08 DEC 2004
L7             STRUCTURE UPLOADED
L8              0 S L7
L9              6 S L7 FUL

     FILE 'CAPLUS' ENTERED AT 09:12:49 ON 08 DEC 2004
L10             3 S L9

=>

---Logging off of STN---


=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS                        SINCE FILE
TOTAL                                          ENTRY
SESSION
FULL ESTIMATED COST                            10.25
630.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE
TOTAL                                          ENTRY
SESSION
CA SUBSCRIBER PRICE                             0.00
3.96

STN INTERNATIONAL LOGOFF AT 09:13:25 ON 08 DEC 2004
```

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1653adk

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 01 INPADOC: New family current-awareness alert (SDI) available
NEWS 4 SEP 01 New pricing for the Save Answers for SciFinder Wizard within
STN Express with Discover!
NEWS 5 SEP 01 New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS 6 SEP 27 STANDARDS will no longer be available on STN
NEWS 7 SEP 27 SWETSCAN will no longer be available on STN
NEWS 8 OCT 28 KOREAPAT now available on STN
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current
search transcripts to be affected by CERAB, COMPUAB, ELCOM,
and SOLIDSTATE reloads
NEWS 10 NOV 30 PHAR reloaded with additional data
NEWS 11 DEC 01 LISA now available on STN

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004

=> fil reg
COST IN U.S. DOLLARS SINCE FILE ENTRY
TOTAL SESSION
FULL ESTIMATED COST 0.21
0.21

FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004
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STRUCTURE FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7
DICTIONARY FILE UPDATES: 6 DEC 2004 HIGHEST RN 793637-73-7

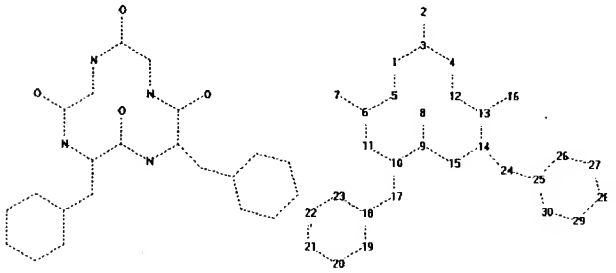
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading H:\STN queries\1006890S_f1.str



chain nodes :
2 7 8 16 17 24
ring nodes :
1 3 4 5 6 9 10 11 12 13 14 15 18 19 20 21 22 23 25 26 27 28 29 30
chain bonds :
2-3 6-7 8-9 10-17 13-16 14-24 17-18 24-25
ring bonds :
1-5 1-3 3-4 4-12 5-6 6-11 9-10 9-15 10-11 12-13 13-14 14-15 18-19 18-23 19-20 20-21 21-22 22-23 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
1-5 1-3 2-3 3-4 4-12 5-6 6-7 6-11 8-9 9-10 9-15 10-11 10-17 12-13 13-14 13-16 14-15 14-24 17-18 18-19 18-23 19-20 20-21 21-22 22-23 24-25 25-26 25-30 26-27 27-28 28-29 29-30

Match level :
1:Atom 2:CLASS 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom

L1 STRUCTURE UPLOADED

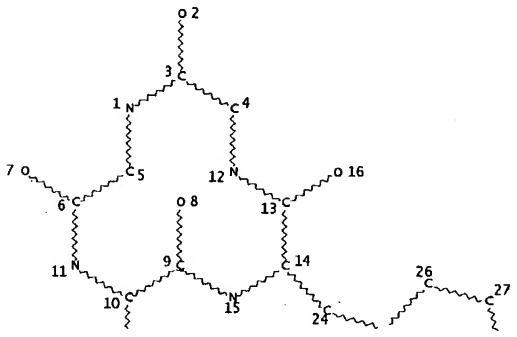
=> s l1 sam
SAMPLE SEARCH INITIATED 08:18:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1982 TO ITERATE

50.5% PROCESSED 1000 ITERATIONS 6
ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

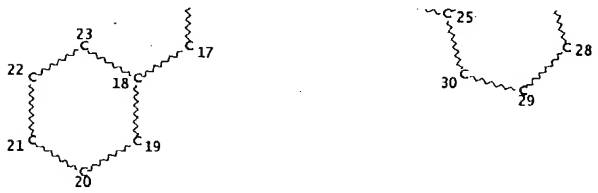
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 36970 TO 42310
PROJECTED ANSWERS: 31 TO 443

L2 6 SEA SSS SAM L1

=> d l1
L1 HAS NO ANSWERS
L1 STR



Page 1-A



Page 2-A
NODE ATTRIBUTES:
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NSPEC   IS R      AT   4
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NSPEC   IS R      AT  26
NSPEC   IS R      AT  27
NSPEC   IS R      AT  28
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NSPEC   IS R      AT  30
DEFAULT MLEVEL IS ATOM
MLEVEL  IS CLASS  AT   2  7  8 16 17 24
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  30

STEREO ATTRIBUTES: NONE


=> s l1 ful
FULL SEARCH INITIATED 08:21:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  39894 TO ITERATE

100.0% PROCESSED   39894 ITERATIONS                          147
ANSWERS
SEARCH TIME: 00.00.01

L3          147 SEA SSS FUL L1

=> file hcaplus biel careact
'BIEL' IS NOT A VALID FILE NAME
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
ENTER A FILE NAME OR (IGNORE):beil
'CAREACT' IS NOT A VALID FILE NAME
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
ENTER A FILE NAME OR (IGNORE):bielstein
'BIELSTEIN' IS NOT A VALID FILE NAME
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
ENTER A FILE NAME OR (IGNORE):beilstein
COST IN U.S. DOLLARS                        SINCE FILE
TOTAL                                          ENTRY
SESSION
FULL ESTIMATED COST                          219.02
219.23

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE
TOTAL                                          ENTRY
SESSION
CA SUBSCRIBER PRICE                           -3.96
3.96

FILE 'HCAPLUS' ENTERED AT 08:22:09 ON 08 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004
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Wissenschaften
licensed to Beilstein GmbH and MDL Information Systems GmbH

=> s l3
L4          96 L3

=> dup rem l4
DUPLICATE IS NOT AVAILABLE IN 'BEILSTEIN'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L4
L5          96 DUP REM L4 (0 DUPLICATES REMOVED)

=> l4 and pd<20020207
L6          64 L4 AND PD<20020207

=> d l6 1-64 ibib hitstr

L6   ANSWER 1 OF 64  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:        2004:212151  HCAPLUS Full-text
DOCUMENT NUMBER:         140:229431
TITLE:                   Methods for the use of inhibitors of co-
repressors for
                         the treatment of neoplastic diseases
INVENTOR(S):             Evans, Ronald M.; Lin, Richard J.; Nagy,
Laszlo

PATENT ASSIGNEE(S):      The Salk Institute for Biological Studies,
USA
SOURCE:                  U.S., 35 pp., Cont.-in-part of U.S.
6,387,673.
                         CODEN: USXXAM
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  3
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.
DATE
     ----------          ----   --------    ------------------   --
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     US 6706762          B1     20040316    US 1997-966876
19971110
     US 6387673          B1     20020514    US 1997-846881
19970501
     CA 2308377          AA     19990520    CA 1998-2308377
19981110 <--
     WO 9923885          A1     19990520    WO 1998-US23962
19981110 <--
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU,
CZ, DE,
             DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS,
JP, KE,
             KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW,
             MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR,
             TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD,
RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI,
             CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 9913959          A1     19990531    AU 1999-13959
19981110 <--
     EP 1037533          A1     20000927    EP 1998-957781
19981110 <--
         R:  CH, DE, FR, GB, LI
PRIORITY APPLN. INFO.:                       US 1997-846881      A2
19970501
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19971110
                                             WO 1998-US23962     W
19981110
IT   133155-89-2
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (methods for the use of inhibitors of co-repressors for the
treatment
        of neoplastic diseases)
RN   133155-89-2  HCAPLUS
CN   Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-
     L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI)  (CA INDEX NAME)

Absolute stereochemistry.
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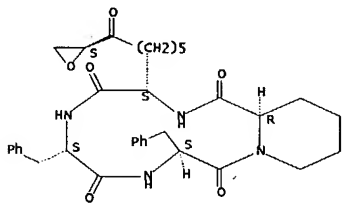

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REFERENCE COUNT:         95    THERE ARE 95 CITED REFERENCES
AVAILABLE FOR THIS
                               RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L6   ANSWER 2 OF 64  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:        2003:509378  HCAPLUS Full-text
DOCUMENT NUMBER:         140:52743
TITLE:                   Hydroxamic acid analogs of naturally-
occurring cyclic
                         tetrapeptides, trapoxin, WF-3161, Cyl-1, HC-
toxin and
                         chlamydocin inhibit histone deacetylases
AUTHOR(S):               Nishino, Norikazu; Tomizaki, Kin-ya;
Tsukamoto,
                         Makiko; Yoshikawa, Daisuke; Shinta, Ryuzo;
Nishino,
                         Hidekazu; Tanaka, Yuji; Kato, Tamaki;
Komatsu,
                         Yasuhiko; Nishiyama, Makoto; Furumai,
Ryohei; Yoshida,
                         Minoru
CORPORATE SOURCE:        Department of Applied Chemistry, Faculty of
                         Engineering, Kyushu Institute of Technology,
Tobata,
                         Kitakyushu, 804-8550, Japan
SOURCE:                  Peptides 2000, Proceedings of the European
Peptide
                         Symposium, 26th, Montpellier, France, Sept.
10-15,
                         2000 (2001), Meeting Date 2000, 41-42.
                         Editor(s): Martinez, Jean; Fehrentz, Jean-
Alain.

                         Editions EDK: Paris, Fr.
                         CODEN: 69EDWK; ISBN: 2-84254-048-4
DOCUMENT TYPE:           Conference
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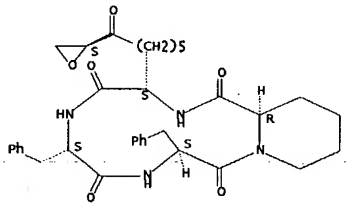
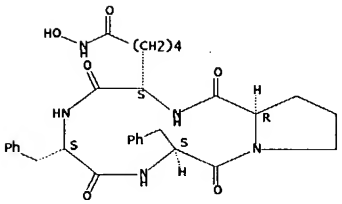
LANGUAGE: English
IT 133155-89-2, Trapoxin a
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(hydroxamic acid analogs of naturally-occurring cyclic tetrapeptides,
trapoxin, WF-3161, Cyl-1, HC-toxin and chlamydocin inhibit histone
deacetylases)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



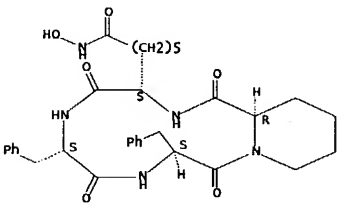
IT 221186-39-6P 221186-42-1P 221186-43-2P
331836-53-4P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); USES (Uses)
(hydroxamic acid analogs of naturally-occurring cyclic tetrapeptides,
trapoxin, WF-3161, Cyl-1, HC-toxin and chlamydocin inhibit histone
deacetylases)
RN 221186-39-6 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 331836-53-4 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

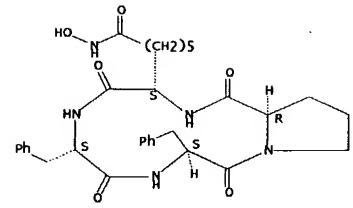
Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

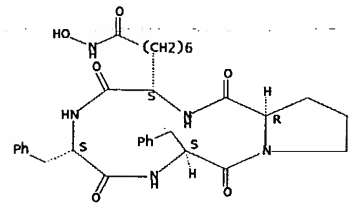
L6 ANSWER 3 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:692467 HCAPLUS Full-text
DOCUMENT NUMBER: 138:385700
TITLE: Design of analogs of trapoxin, Cyl-1, and chlamydocin for MHC class-I molecule up-regulation
AUTHOR(S): Nishino, Norikazu; Kato, Tamaki; Komatsu, Yasuhiko; Yoshida, Minoru
CORPORATE SOURCE: Department of Applied Chemistry, Faculty of Engineering, Kyushu Institute of Technology, Kitakyushu, 804-8550, Japan
SOURCE: Peptides: The Wave of the Future, Proceedings of the Second International and the Seventeenth American Peptide Symposium, San Diego, CA, United States, June 9-14, 2001 (2001), 528-529. Editor(s): Lebl, Michal; Houghten, Richard A. American Peptide Society: San Diego, Calif.
CODEN: 69DBAL; ISBN: 0-9715560-0-8
DOCUMENT TYPE: Conference
LANGUAGE: English
IT 133155-90-5DP, Trapoxin b, hydroxamic acid analogs
221186-39-6P 221186-56-7P 221186-58-9P
221186-62-5P 527705-77-7P 527705-82-4P
527705-87-9P 527705-90-4P 527705-94-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation)
(analogs of trapoxin, Cyl-1, and chlamydocin for MHC class-I mol.
up-regulation)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



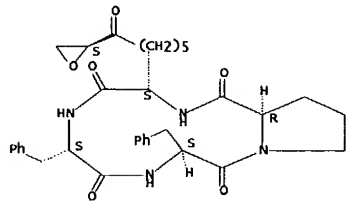
RN 221186-42-1 HCAPLUS
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



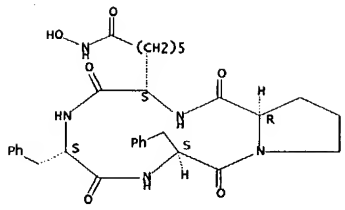
RN 221186-43-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



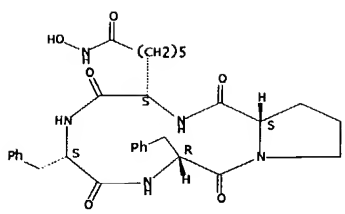
RN 221186-39-6 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



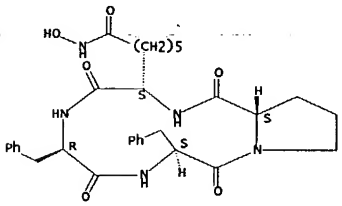
RN 221186-56-7 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



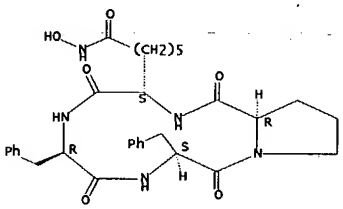
RN 221186-62-5 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



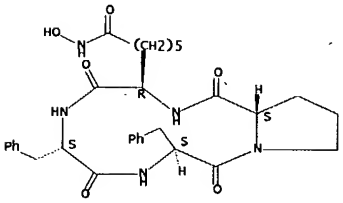
RN 221186-58-9 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 527705-77-7 HCAPLUS
CN Cyclo[(2R)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 527705-82-4 HCAPLUS
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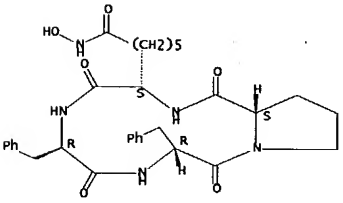
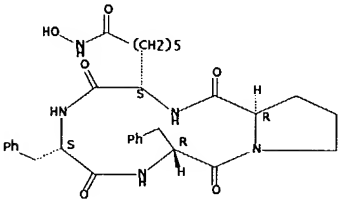
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



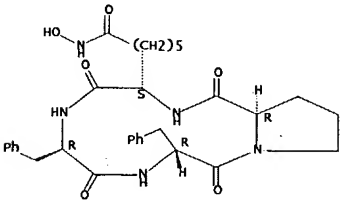
RN 527705-90-4 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-D-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 527705-87-9 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-D-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 527705-94-8 HCAPLUS
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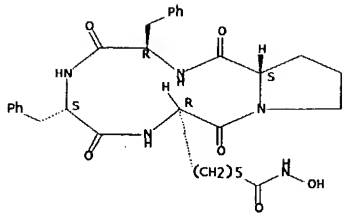
L-phenylalanyl] (9CI) (CA INDEX NAME)

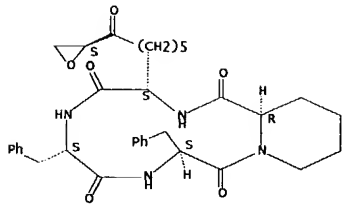
Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:333908 HCAPLUS Full-text
DOCUMENT NUMBER: 137:180617
TITLE: Inhibition of histone deacetylases induces bovine leukemia virus expression in vitro and in vivo
AUTHOR(S): Merezak, C.; Reichert, M.; Van Lint, C.; Kerkhofs, P.; Portetelle, D.; Willems, L.; Kettmann, R.
CORPORATE SOURCE: Molecular and Cellular Biology, Faculty of Agronomy, Gembloux, Belg.
SOURCE: Journal of Virology (2002), 76(10), 5034-5042
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(TPX; inhibition of histone deacetylases by Ttrichostatin A and trapoxin induces BLV expression in vitro and in vivo)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

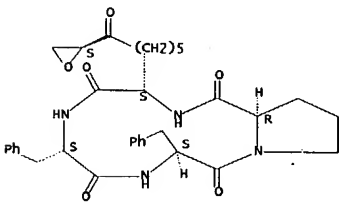
Absolute stereochemistry.



REFERENCE COUNT: 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:102736 HCAPLUS Full-text
DOCUMENT NUMBER: 137:28815
TITLE: Molecular cloning and characterization of a novel histone deacetylase HDAC10
AUTHOR(S): Guardiola, Amaris R.; Yao, Tso-Pang
CORPORATE SOURCE: Department of Pharmacology and Cancer Biology, Duke University Medical Center, Durham, NC, 27710, USA
SOURCE: Journal of Biological Chemistry (2002), 277(5), 3350-3356
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-90-5, Trapoxin B
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(HDAC10 activity is resistant to inhibitor; mol. cloning and characterization of a novel histone deacetylase HDAC10)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

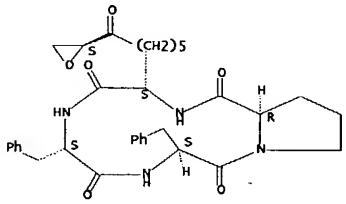
Absolute stereochemistry.



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:42906 HCAPLUS Full-text
DOCUMENT NUMBER: 136:263005
TITLE: Inhibitors of Human Histone Deacetylase: Synthesis and Enzyme and Cellular Activity of Straight Chain Hydroxamates
AUTHOR(S): Remiszewski, Stacy W.; Sambucetti, Lidia C.; Atadja, Peter; Bair, Kenneth W.; Cornell, Wendy D.; Green, Michael A.; Howell, Kobporn Lulu; Jung, Manfred; Kwon, Paul; Trogani, Nancy; Walker, Heather
CORPORATE SOURCE: Oncology Research and Core Technology, Novartis Institute for Biomedical Research, Summit, NJ, 07901-1398, USA
SOURCE: Journal of Medicinal Chemistry (2002), 45(4), 753-757
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:263005
IT 133155-90-5, Trapoxin B
RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);
BIOL (Biological study)
(preparation, antitumor, p21 promoter, human histone deacetylase inhibitory, and antiproliferative activity of trichostatin A and suberoylanilide hydroxamic acid analogs)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

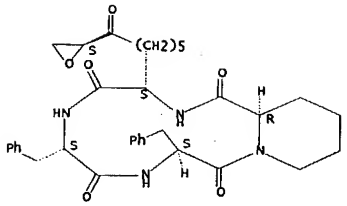
L6 ANSWER 7 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:30994 HCAPLUS Full-text
DOCUMENT NUMBER: 136:79800
TITLE: Valproic acid and derivatives thereof as histone deacetylase inhibitors, and therapeutic use
INVENTOR(S): Gottlicher, Martin; Heinzel, Thorsten; Groner, Bernd; Herrlich, Peter
PATENT ASSIGNEE(S): Chemotherapeutisches Forschungsinstitut Georg-Speyer-Haus, Germany
SOURCE: Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1170008	A1	20020109	EP 2000-114088	20000707 <--

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

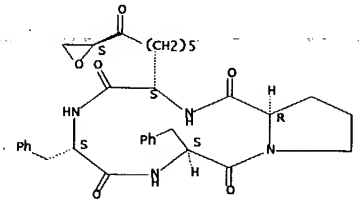
CA 2414967 AA 20020131 CA 2001-2414967
20010705 <--
WO 2002007722 A2 20020131 WO 2001-EP7704
20010705 <--
WO 2002007722 A3 20020718
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1301184 A2 20030416 EP 2001-962831
20010705
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2004504347 T2 20040212 JP 2002-513458
20010705
US 2004087652 A1 20040506 US 2003-332353
20030811
PRIORITY APPLN. INFO.: EP 2000-114088 A
20000707
WO 2001-EP7704 W
20010705
OTHER SOURCE(S): MARPAT 136:79800
IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
RL: PAC (Pharmacological activity); BIOL (Biological study)
(valproic acid and derivs. as histone deacetylase inhibitors, and
therapeutic use)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

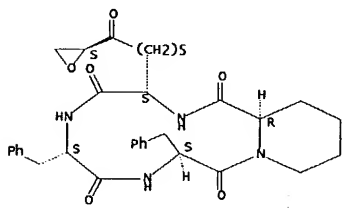
Absolute stereochemistry.



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:864080 HCAPLUS Full-text
DOCUMENT NUMBER: 136:144662
TITLE: Synthesis of 7200 Small Molecules Based on a Substructural Analysis of the Histone Deacetylase Inhibitors Trichostatin and Trapoxin
AUTHOR(S): Sternson, Scott M.; Wong, Jason C.; Grozinger, Christina M.; Schreiber, Stuart L.
CORPORATE SOURCE: Howard Hughes Medical Institute Institute of Chemistry and Cell Biology Department of Chemistry and Chemical Biology, Harvard University, Cambridge, MA, 02138, USA
SOURCE: Organic Letters (2001), 3(26), 4239-4242
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2
RL: PAC (Pharmacological activity); BIOL (Biological study)
(synthesis of 7200 small mols. based on a substructural anal. of
histone deacetylase inhibitors trichostatin and trapoxin)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

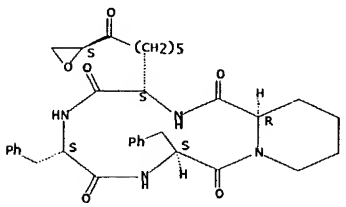
Absolute stereochemistry.



REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:587623 HCAPLUS Full-text
DOCUMENT NUMBER: 135:298184
TITLE: Structure, histone deacetylase, and antiprotozoal activities of apicidins B and C, congeners of apicidin with proline and valine substitutions
AUTHOR(S): Singh, Sheo B.; Zink, Deborah L.; Liesch, Jerrold M.; Dombrowski, Anne W.; Darkin-Rattray, Sandra J.; Schmatz, Dennis M.; Goetz, Michael A.
CORPORATE SOURCE: Merck Research Laboratories RY80Y-355, Rahway, NJ, 07065, USA
SOURCE: Organic Letters (2001), 3(18), 2815-2818
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(antiprotozoal structure activities of apicidins B and C, congeners of
apicidin with proline and valine substitutions)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

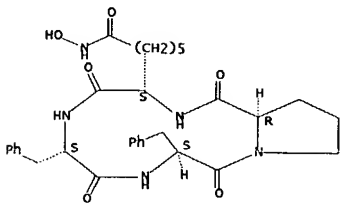
L6 ANSWER 10 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:431009 HCAPLUS Full-text
DOCUMENT NUMBER: 135:251418
TITLE: Cyclic hydroxamic-acid-containing peptide 31, a potent synthetic histone deacetylase inhibitor with antitumor activity
AUTHOR(S): Komatsu, Yasuhiko; Tomizaki, Kin-Ya; Tsukamoto, Makiko; Kato, Tamaki; Nishino, Norikazu; Sato, Shigeo; Yamori, Takao; Tsuruo, Tsukashi; Furumai, Ryohei;

Yoshida, Minoru; Horinouchi, Sueharu; Hayashi, Hideya
CORPORATE SOURCE: Pharmaceuticals and Biotechnology Laboratory, Japan
Energy Corporation, Saitama, 335-8502, Japan
SOURCE: Cancer Research (2001), 61(11), 4459-4466
CODEN: CNREA8; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 221186-39-6 221186-42-1 221186-43-2
221186-56-7 221186-57-8 221186-58-9
221186-62-5 331836-53-4 362055-32-1
362055-33-2
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(structure activity studies on cyclic hydroxamic-acid-containing peptide as potent synthetic histone deacetylase inhibitor with antitumor activity)

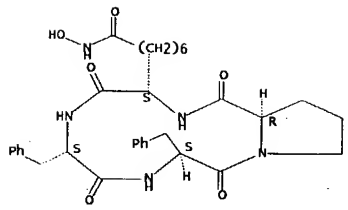
RN 221186-39-6 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



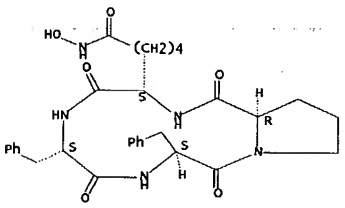
RN 221186-42-1 HCAPLUS
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



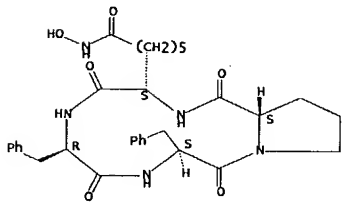
RN 221186-43-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



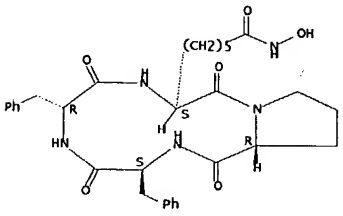
RN 221186-56-7 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



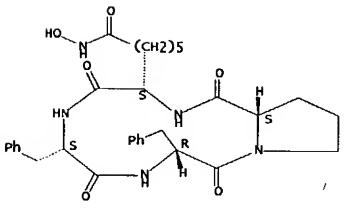
RN 221186-57-8 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-phenylalanyl-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



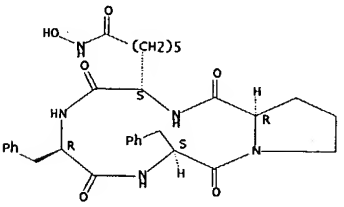
RN 221186-58-9 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



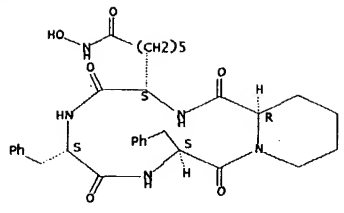
RN 221186-62-5 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



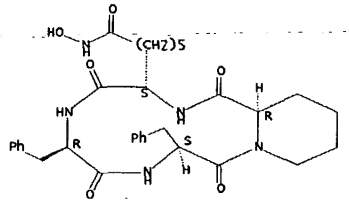
RN 331836-53-4 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



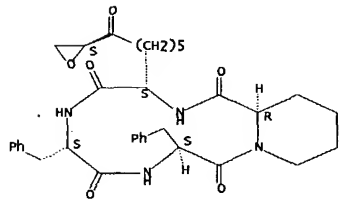
RN 362055-32-1 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 362055-33-2 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-(2S)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

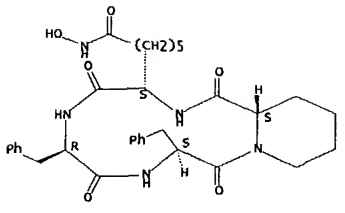
Absolute stereochemistry.



REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:381216 HCAPLUS Full-text
DOCUMENT NUMBER: 135:131735
TITLE: 3-(4-Aroyl-1H-pyrrol-2-yl)-N-hydroxy-2-propenamides, a new class of synthetic histone deacetylase inhibitors
AUTHOR(S): Massa, Silvio; Mai, Antonello; Sbardella, Gianluca; Esposito, Monica; Ragno, Rino; Loidl, Peter; Brosch, Gerald
CORPORATE SOURCE: Dipartimento Farmaco Chimico Tecnologico, Universita degli Studi di Siena, Siena, 53100, Italy
SOURCE: Journal of Medicinal Chemistry (2001), 44(13), 2069-2072
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-90-5, Trapoxin B
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(structure-based drug design of synthetic histone deacetylase inhibitors)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

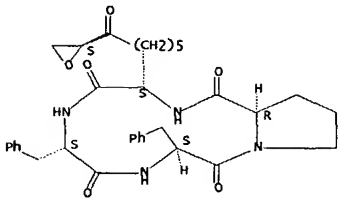
Absolute stereochemistry.



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:394968 HCAPLUS Full-text
DOCUMENT NUMBER: 135:205090
TITLE: Proteasome- and p38-dependent regulation of ERK3 expression
AUTHOR(S): Zimmermann, Johann; Lamerant, Nathalie; Grossenbacher, Rita; Furst, Peter
CORPORATE SOURCE: Oncology Research, Novartis Pharma AG, Basel, CH-4002, Switz.
SOURCE: Journal of Biological Chemistry (2001), 276(14), 10759-10766
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(proteasome- and p38-dependent regulation of ERK3 expression induced by proteasome inhibitors)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

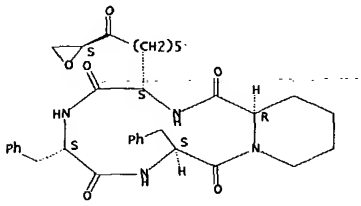
L6 ANSWER 13 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:185559 HCAPLUS Full-text
DOCUMENT NUMBER: 134:232667
TITLE: Therapeutic modulation of gene expression by modulating histone acetylation and transcription factor phosphorylation
INVENTOR(S): Montminy, Marc R.
PATENT ASSIGNEE(S): Salk Institute of Biological Studies, USA
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001017514	A1	20010315	WO 2000-US24211	20000901 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRIORITY APPLN. INFO.: US 1999-390516 A1 19990903
IT 133155-89-2D, Trapoxin A, derivs.
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(in therapeutic regulation of gene expression through histone acetylation; therapeutic modulation of gene expression by modulating
histone acetylation and transcription factor phosphorylation)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

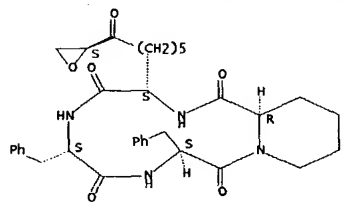
Absolute stereochemistry.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

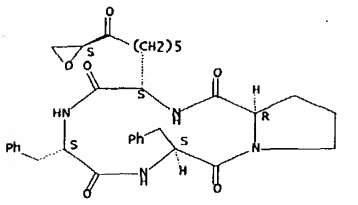
L6 ANSWER 14 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:47667 HCAPLUS Full-text
DOCUMENT NUMBER: 134:260861
TITLE: Potent histone deacetylase inhibitors built from
trichostatin A and cyclic tetrapeptide antibiotics
including trapoxin
AUTHOR(S): Furumai, Ryohei; Komatsu, Yasuhiko; Nishino, Norikazu;
Khochbin, Saadi; Yoshida, Minoru; Horinouchi, Sueharu
CORPORATE SOURCE: Department of Biotechnology, The University of Tokyo,
Tokyo, 113-8657, Japan
SOURCE: Proceedings of the National Academy of Sciences of the
United States of America (2001), 98(1), 87-92
CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2 133155-90-5 221186-39-6
221186-42-1 221186-43-2 221186-50-1
221186-85-2 331836-53-4
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(potent histone deacetylase inhibitors built from trichostatin A and
cyclic tetrapeptide antibiotics including trapoxin)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



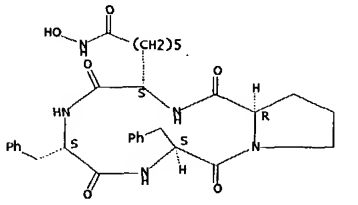
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



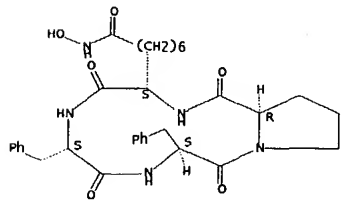
RN 221186-39-6 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



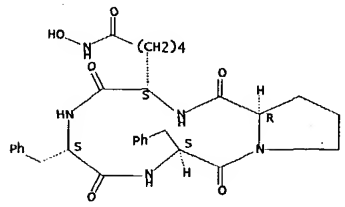
RN 221186-42-1 HCAPLUS
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



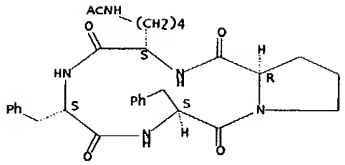
RN 221186-43-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



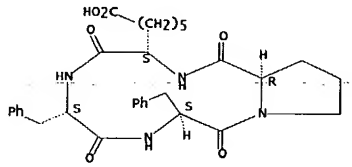
RN 221186-50-1 HCAPLUS
CN Cyclo(N6-acetyl-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl) (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



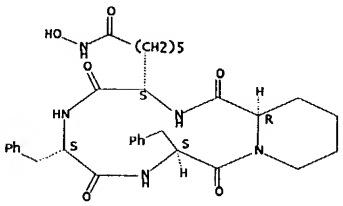
RN 221186-85-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-carboxyheptanoyl-L-phenylalanyl-L-phenylalanyl-D-
prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 331836-53-4 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

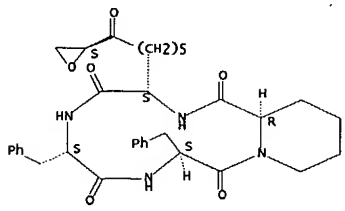
Absolute stereochemistry.



REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L6 ANSWER 16 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:820950 HCAPLUS Full-text
DOCUMENT NUMBER: 134:360851
TITLE: Chemical inducers for morphological reversion of oncogenically transformed NIH3T3 cells
AUTHOR(S): Sonoda, Hikaru; Omi, Kazuo
CORPORATE SOURCE: Diagnostics Science Division, Shionogi Research Laboratories, Shionogi and Co., Ltd., Osaka, 553-0002, Japan
SOURCE: Shionogi Kenkyusho Nenpo (2000), 50, 1-18
CODEN: SKNEA7; ISSN: 0559-8680
PUBLISHER: Shionogi Seiyaku K.K. Chuo Kenkyusho
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(morphol. reversion of oncogenically transformed NIH3T3 cells by)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

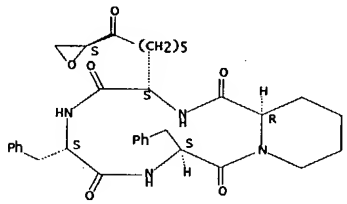


RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

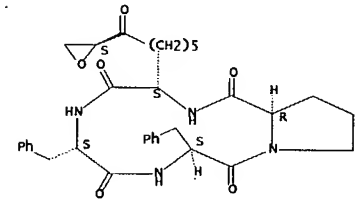
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L6 ANSWER 15 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:845477 HCAPLUS Full-text
DOCUMENT NUMBER: 134:129399
TITLE: Up-regulation of costimulatory/adhesion molecules by histone deacetylase inhibitors in acute myeloid leukemia cells
AUTHOR(S): Maeda, Takahiro; Towatari, Masayuki; Kosugi, Hiroshi; Saito, Hidehiko
CORPORATE SOURCE: First Department of Internal Medicine, Nagoya University School of Medicine, Nagova, 466-8550, Japan
SOURCE: Blood (2000), 96(12), 3847-3856
CODEN: BLOOAW; ISSN: 0006-4971
PUBLISHER: American Society of Hematology
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(up-regulation of costimulatory/adhesion mols. by histone deacetylase inhibitors in acute myeloid leukemia cells)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



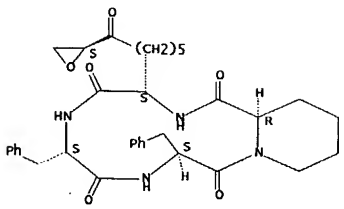
Absolute stereochemistry.



REFERENCE COUNT: 82 THERE ARE 82 CITED REFERENCES
AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L6 ANSWER 17 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:780065 HCAPLUS Full-text
DOCUMENT NUMBER: 134:80604
TITLE: Mechanism of cell cycle arrest caused by histone deacetylase inhibitors in human carcinoma cells
AUTHOR(S): Kim, Young Bae; Ki, Se Won; Yoshida, Minoru; Horinouchi, Sueharu
CORPORATE SOURCE: Department of Biotechnology, Graduate School of Agriculture and Life Sciences, The University of Tokyo, Tokyo, 113-8657, Japan
SOURCE: Journal of Antibiotics (2000), 53(10), 1191-1200
CODEN: JANTAJ; ISSN: 0021-8820
PUBLISHER: Japan Antibiotics Research Association
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(mechanism of cell cycle arrest caused by histone deacetylase inhibitors in human carcinoma cells)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

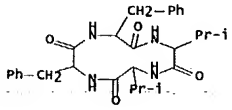


REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:772490 HCAPLUS Full-text
DOCUMENT NUMBER: 133:340213
TITLE: Antibody conjugates for delivery of antimicrobial toxins
INVENTOR(S): Carlyle, Wenda C.
PATENT ASSIGNEE(S): St. Jude Medical, Inc., USA
SOURCE: PCT Int. Appl., 63 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000064487	A2	20001102	WO 2000-US8389	20000330 <--
W: BR, JP, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1212094	A2	20020612	EP 2000-921508	20000330
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
BR 2000009947	A	20021231	BR 2000-9947	20000330
JP 2003523315	T2	20030805	JP 2000-613477	20000330
ZA 2001008639	A	20030730	ZA 2001-8639	20011019
PRIORITY APPLN. INFO.:			US 1999-298638	A 19990423
			WO 2000-US8389	W 20000330

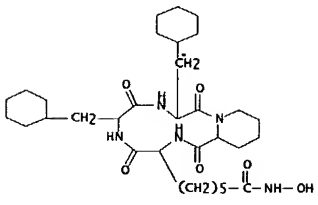
IT 24181-12-2D, Fungisporin, antibody conjugates
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(antibody conjugates for delivery of antimicrobial toxins)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



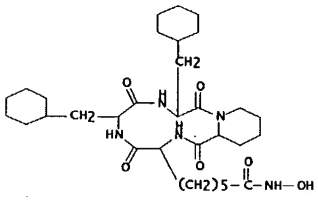
L6 ANSWER 19 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:628159 HCAPLUS Full-text
DOCUMENT NUMBER: 133:223052
TITLE: Preparation of novel cyclic tetrapeptide derivatives and use thereof as drugs
INVENTOR(S): Nishino, Norikazu; Yoshida, Minoru; Horinouchi, Sueharu; Komatsu, Yasuhiko
PATENT ASSIGNEE(S): Japan Energy Corporation, Japan
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000052033	A1	20000908	WO 2000-JP1141	20000228 <--
W: AU, CA, NO, NZ, US, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2000256397	A2	20000919	JP 1999-53851	19990302 <--
CA 2362817	AA	20000908	CA 2000-2362817	20000228 <--
NZ 513983	A	20010928	NZ 2000-513983	20000228 <--
EP 1174438	A1	20020123	EP 2000-905381	20000228 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
NO 2001004225	A	20011017	NO 2001-4225	20010831 <--
US 2002120099	A1	20020829	US 2001-945237	20010831
US 6825317	B2	20041130		
ZA 2001007320	A	20020904	ZA 2001-7320	20010904
PRIORITY APPLN. INFO.:			JP 1999-53851	A 19990302
			WO 2000-JP1141	W 20000228

OTHER SOURCE(S): MARPAT 133:223052
IT 291313-22-9P 291313-23-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel cyclic tetrapeptide derivs. as histone deacetylase inhibitors, MHC class I mol. expression promoters, and anticancer agents)
RN 291313-22-9 HCAPLUS
CN Cyclo[3-cyclohexyl-D-alanyl-3-cyclohexyl-L-alanyl-(2S)-2-piperidinecarbonyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl] (9CI) (CA INDEX NAME)



RN 291313-23-0 HCAPLUS
CN Cyclo[3-cyclohexyl-D-alanyl-3-cyclohexyl-L-alanyl-(2R)-2-piperidinecarbonyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl] (9CI) (CA INDEX NAME)

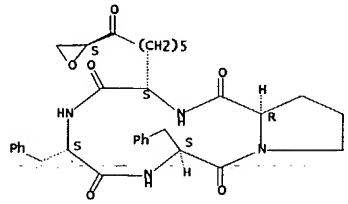


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:288753 HCAPLUS Full-text
DOCUMENT NUMBER: 133:164306
TITLE: Cyclic tetrapeptide hydroxamic acids related to trapoxin B inhibit histone deacetylase
AUTHOR(S): Nishino, Norikazu; Tomizaki, Kin-Ya; Mimoto, Tsutomu; Komatsu, Yasuhiko; Kim, Young Bae; Yoshida, Minoru
CORPORATE SOURCE: Institute for Fundamental Research of Organic Chemistry, Kyushu University, Fukuoka, 812-8581, Japan
SOURCE: Peptides 1998, Proceedings of the European Peptide Symposium, 25th, Budapest, Aug. 30-Sept. 4, 1998 (1999), Meeting Date 1998, 832-833.
Editor(s): Bajusz, Sandor; Hudecz, Ferenc. Akademiai Kiado: Budapest, Hung.
CODEN: 68WKAY
DOCUMENT TYPE: Conference
LANGUAGE: English
IT 133155-90-5DP, Trapoxin B, analogs 221186-39-6P 221186-42-1P 221186-43-2P 221186-56-7P

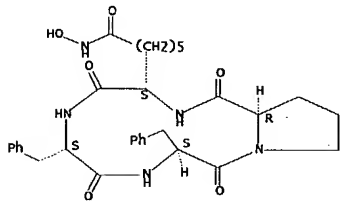
221186-58-9P 221186-59-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation)
(preparation of trapoxin B-related cyclic tetrapeptide hydroxamic acids as
histone deacetylase inhibitors)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

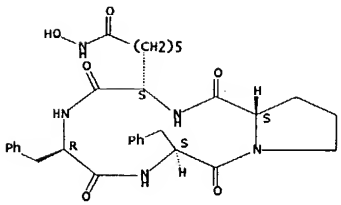
Absolute stereochemistry.



RN 221186-39-6 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

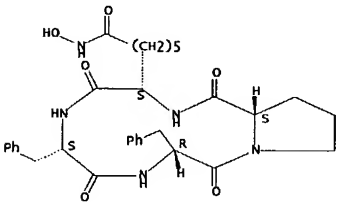
Absolute stereochemistry.





RN 221186-58-9 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

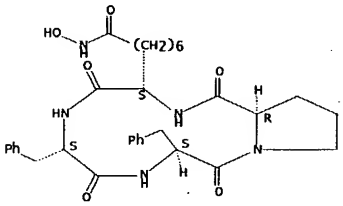


RN 221186-59-0 HCAPLUS
CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-
phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

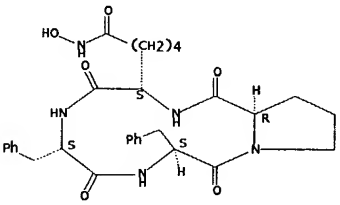
RN 221186-42-1 HCAPLUS
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



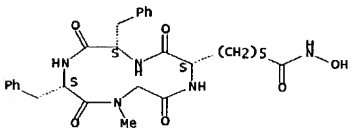
RN 221186-43-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



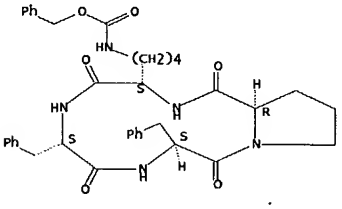
RN 221186-56-7 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 221187-02-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of trapoxin B-related cyclic tetrapeptide hydroxamic acids as
histone deacetylase inhibitors)
RN 221187-02-6 HCAPLUS
CN Cyclo[N6-[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-
prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

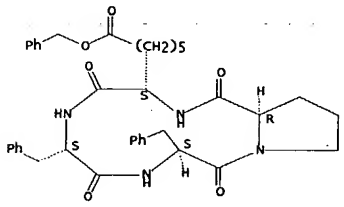


REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 21 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:288752 HCAPLUS Full-text
DOCUMENT NUMBER: 133:135601
TITLE: Synthesis of cyclic tetrapeptide hydroxamic acids by
the use of oxime resin
AUTHOR(S): Nishino, Norikazu; Tomizaki, Kin-Ya; Tsukamoto,
Makiko; Urakawa, Toshihiro
CORPORATE SOURCE: Institute for Fundamental Research of Organic
Chemistry, Kyushu University, Fukuoka, 812-

8581, Japan
SOURCE: Peptides 1998, Proceedings of the European Peptide Symposium, 25th, Budapest, Aug. 30-Sept. 4, 1998 (1999), Meeting Date 1998, 830-831.
Editor(s): Bajusz, Sandor; Hudecz, Ferenc. Akademiai Kiado: Budapest, Hung.
CODEN: 68WKAY
DOCUMENT TYPE: Conference
LANGUAGE: English
IT 221186-84-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of cyclic tetrapeptide hydroxamic acids by use of oxime resin)
RN 221186-84-1 HCAPLUS
CN Cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:278087 HCAPLUS Full-text
DOCUMENT NUMBER: 132:290775
TITLE: Promotion of self-renewal and improved gene transduction of hematopoietic stem cells by histone deacetylase inhibitors
INVENTOR(S): Lavau, Catherine P.; Young, Judy Carol; Hill, Beth Louise
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000023567	A2	20000427	WO 1999-EP7741	19991014 <--
WO 2000023567	A3	20000727		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

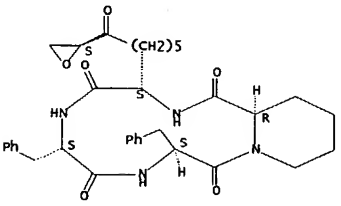
CA 2346152	AA	20000427	CA 1999-2346152	19991014 <--
AU 9963393	A1	20000508	AU 1999-63393	19991014 <--
EP 1129175	A2	20010905	EP 1999-950725	19991014 <--

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

JP 2002527101	T2	20020827	JP 2000-577279	19991014

PRIORITY APPLN. INFO.:
US 1998-173633 A 19981016
US 1999-132476P P 19990504
WO 1999-EP7741 W 19991014
IT 133155-89-2, Trapoxin A
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(as histone deacetylase inhibitor; promotion of self-renewal and improved gene transduction of hematopoietic stem cells by histone deacetylase inhibitors)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



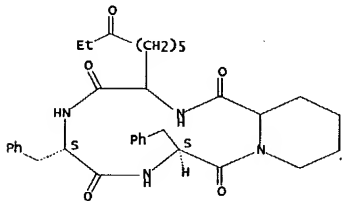
L6 ANSWER 23 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:117073 HCAPLUS Full-text
DOCUMENT NUMBER: 132:161275
TITLE: Cyclic tetrapeptide FR225497 from Helicoma, pharmaceutical composition, and use for inhibition of histone deacetylase and treatment of diseases
INVENTOR(S): Mori, Hiroaki; Abe, Fumie; Yoshimura, Seiji; Takase, Shigehiro; Hino, Motohiro
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008048	A2	20000217	WO 1999-JP4148	19990802 <--
WO 2000008048	A3	20020815		

W: BR, CA, CN, JP, KR, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

PRIORITY APPLN. INFO.: AU 1998-5057 A 19980804
IT 258854-10-3P, FR 225497
RL: BAC (Biological activity or effector, except adverse); BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cyclic tetrapeptide FR225497 from Helicoma, pharmaceutical composition, and use for inhibition of histone deacetylase and treatment of diseases)
RN 258854-10-3 HCAPLUS
CN Cyclo(2-amino-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-2-piperidinecarbonyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Currently available stereo shown.



L6 ANSWER 24 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:98918 HCAPLUS Full-text
DOCUMENT NUMBER: 132:148734
TITLE: Method and device for high-throughput screening of molecules and compounds for their effects on biological and chemical processes
INVENTOR(S): Stockwell, Brent R.; Schreiber, Stuart L.; Haggarty, Stephen J.; Mitchison, Timothy J.; Kapoor, Tarun M.; Mayer, Thomas
PATENT ASSIGNEE(S): President and Fellows of Harvard College, USA
SOURCE: PCT Int. Appl., 153 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000007017	A2	20000210	WO 1999-US17046	19990727 <--
WO 2000007017	A3	20000504		

W: AU, CA, JP
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

AU 9953223	A1	20000221	AU 1999-53223	19990727 <--

PRIORITY APPLN. INFO.:	US 1998-94305P	P 19980727
	US 1999-131765P	P 19990430
	US 1999-137039P	P 19990601
	WO 1999-US17046	W 19990727

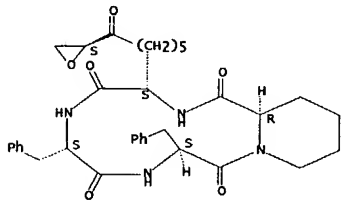
OTHER SOURCE(S): MARPAT 132:148734

IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(mink lung cell DNA synthesis inhibition by, cytoblot assay detection of; method and device for high-throughput screening of mols. and compds. for their effects on biol. and chemical processes)

RN 133155-89-2 HCAPLUS

CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 25 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN

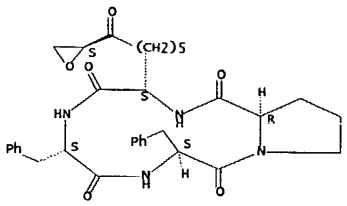
ACCESSION NUMBER:	1999:683498 HCAPLUS Full-text
DOCUMENT NUMBER:	132:196
TITLE:	Inhibitors of histone deacetylase suppress the growth of MCF-7 breast cancer cells
AUTHOR(S):	Schmidt, Kathrin; Gust, Ronald; Jung, Manfred
CORPORATE SOURCE:	Institut Pharmazie, Abteilung Pharmazeutische Chemie, Freie Univ. Berlin, Berlin, D-14195, Germany
SOURCE:	Archiv der Pharmazie (Weinheim, Germany) (1999), 332(10), 353-357 CODEN: ARPMAS; ISSN: 0365-6233
PUBLISHER:	Wiley-VCH Verlag GmbH
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT 133155-90-5P, Trapoxin B
RL: BSU (Biological study, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation)
(preparation of analog inhibitor of histone deacetylase suppressing growth of breast cancer)

RN 133155-90-5 HCAPLUS

CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:	22	THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 26 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN

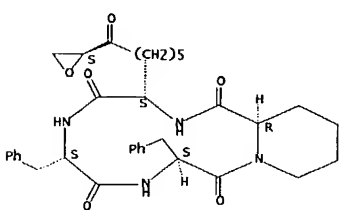
ACCESSION NUMBER:	1999:655736 HCAPLUS Full-text
DOCUMENT NUMBER:	132:131906
TITLE:	Histone deacetylase inhibitors are the potent inducer/enhancer of differentiation in acute myeloid leukemia: a new approach to anti-leukemia therapy
AUTHOR(S):	Kosugi, H.; Towatari, M.; Hatano, S.; Kitamura, K.; Kiyoi, H.; Kinoshita, T.; Tanimoto, M.; Murate, T.; Kawashima, K.; Saito, H.; Naoe, T.
CORPORATE SOURCE:	First Department of Internal Medicine, Nagoya University School of Medicine, Nagoya, 466-8550, Japan
SOURCE:	Leukemia (1999), 13(9), 1316-1324 CODEN: LEUKED; ISSN: 0887-6924
PUBLISHER:	Stockton Press
DOCUMENT TYPE:	Journal
LANGUAGE:	English

IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(histone deacetylase inhibitors are potent inducer/enhancer of differentiation in acute myeloid leukemia as anti-leukemia therapy in relation to gene expression and combination with other differentiation inducers)

RN 133155-89-2 HCAPLUS

CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:	43	THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 27 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN

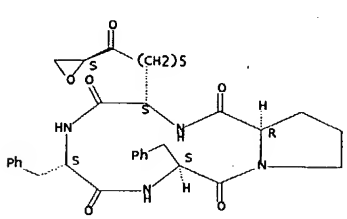
ACCESSION NUMBER:	1999:578817 HCAPLUS Full-text
DOCUMENT NUMBER:	132:137693
TITLE:	Synthesis of a cyclic tetrapeptide related to trapoxin B
AUTHOR(S):	Nishino, N.; Tomizaki, K.-Y.; Komori, M.; Ima-Izumi, K.; Komatsu, Y.; Mimoto, T.
CORPORATE SOURCE:	Institute for Fundamental Research of Organic Chemistry, Kyushu University, Fukuoka, 812-8581, Japan
SOURCE:	Peptide Science: Present and Future, Proceedings of the International Peptide Symposium, 1st, Kyoto, Nov. 30-Dec. 5, 1997 (1999), Meeting Date 1997, 536-538. Editor(s): Shimonishi, Yasutsugu. Kluwer: Dordrecht, Neth. CODEN: 68BYA5
DOCUMENT TYPE:	Conference
LANGUAGE:	English

IT 133155-90-5, Trapoxin B
RL: MSC (Miscellaneous)
(synthesis of cyclic tetrapeptides related to trapoxin B and Cyl-1)

RN 133155-90-5 HCAPLUS

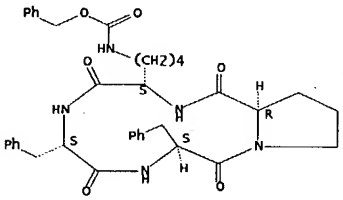
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 221187-02-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of cyclic tetrapeptides related to trapoxin B and Cyl-1)
RN 221187-02-6 HCAPLUS
CN Cyclo[N6-[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

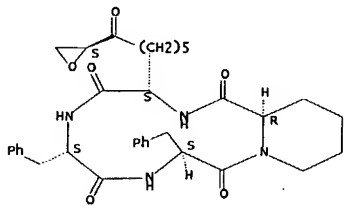
Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 28 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:353258 HCAPLUS Full-text
DOCUMENT NUMBER: 131:130254
TITLE: Synthesis of cyclic tetrapeptides containing non-natural imino acids
AUTHOR(S): Nishino, Hidekazu; Tomizaki, Kin-Ya; Kato, Tamaki;
Nishino, Norikazu; Yoshida, Minoru; Komatsu, Yasuhiko
CORPORATE SOURCE: Department of Applied Chemistry, Faculty of Engineering, Kyushu Institute of Technology, Kitakyushu, 804-8550, Japan
SOURCE: Peptide Science (1999), Volume Date 1998, 35th, 189-192
CODEN: PSCIFQ; ISSN: 1344-7661
PUBLISHER: Protein Research Foundation
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: MSC (Miscellaneous)
(synthesis of imino acid-containing cyclic tetrapeptides as inhibitors of
histone deacetylase)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

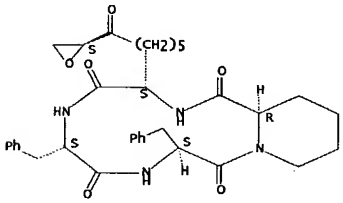
Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

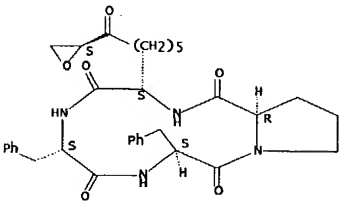
L6 ANSWER 29 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:353257 HCAPLUS Full-text
DOCUMENT NUMBER: 131:130253
TITLE: Synthesis and activity of Cyl-1 analogs having
hydroxamic acid at side chain
AUTHOR(S): Tsukamoto, Makiko; Tomizaki, Kin-Ya; Kato, Tamaki;
Nishino, Norikazu; Yoshida, Minoru; Komatsu, Yasuhiko
CORPORATE SOURCE: Department of Applied Chemistry, Faculty of Engineering, Kyushu Institute of Technology, Kitakyushu, 804-8550, Japan
SOURCE: Peptide Science (1999), Volume Date 1998, 35th, 185-188
CODEN: PSCIFQ; ISSN: 1344-7661
PUBLISHER: Protein Research Foundation
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
RL: MSC (Miscellaneous)
(synthesis of hydroxamic acid-containing Cyl-1 analogs as inhibitors of
histone deacetylase)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

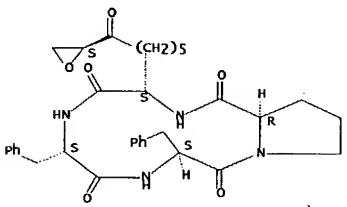
Absolute stereochemistry.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

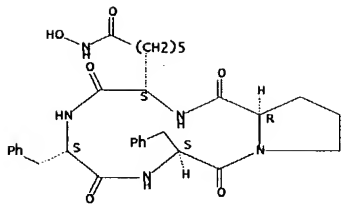
L6 ANSWER 30 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:353256 HCAPLUS Full-text
DOCUMENT NUMBER: 131:130252
TITLE: Histone deacetylase inhibitors based on trapoxin B
AUTHOR(S): Tomizaki, Kin-Ya; Kato, Tamaki; Nishino, Norikazu;
Yoshida, Minoru; Komatsu, Yasuhiko
CORPORATE SOURCE: Department of Applied Chemistry, Faculty of Engineering, Kyushu Institute of Technology, Kitakyushu, 804-8550, Japan
SOURCE: Peptide Science (1999), Volume Date 1998, 35th, 181-184
CODEN: PSCIFQ; ISSN: 1344-7661
PUBLISHER: Protein Research Foundation
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-90-5D, Trapoxin B, analogs contg. aminosuberic hydroxamic acid derivative 221186-39-6 221186-42-1
221186-43-2 221186-56-7 221186-57-8
221186-58-9 221186-59-0 221186-62-5
234429-76-6
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(preparation of hydroxamic analogs of trapoxin B as inhibitors of histone
deacetylase)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



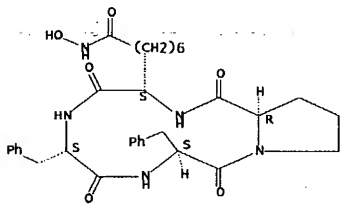
RN 221186-39-6 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



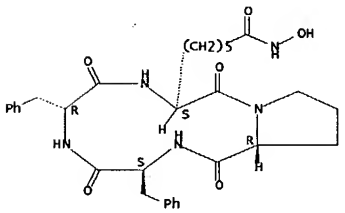
RN 221186-42-1 HCAPLUS
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



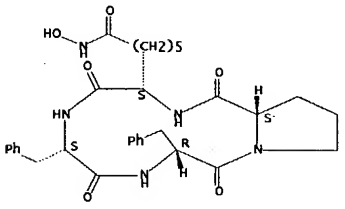
RN 221186-43-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



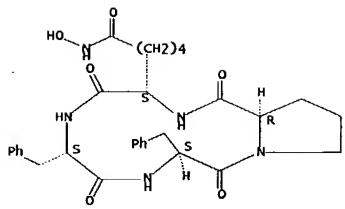
RN 221186-58-9 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



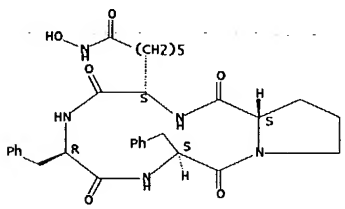
RN 221186-59-0 HCAPLUS
CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



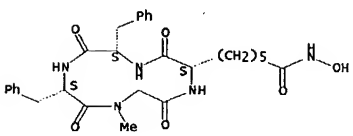
RN 221186-56-7 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



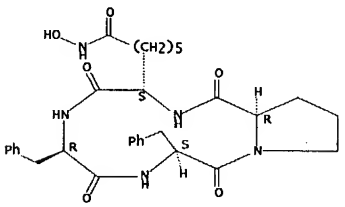
RN 221186-57-8 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-phenylalanyl-D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



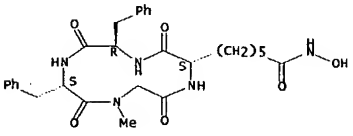
RN 221186-62-5 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 234429-76-6 HCAPLUS
CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxymethyl)-8-oxooctanoyl-D-phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

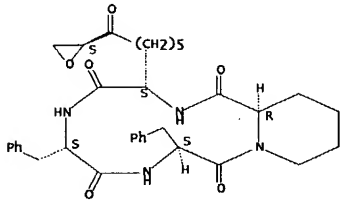


REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 31 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:270685 HCAPLUS Full-text
DOCUMENT NUMBER: 131:98421
TITLE: Cooperation between phosphorylation and acetylation processes in transcriptional control
AUTHOR(S): Espinos, Estelle; Le Van Thai, Agathe; Pomies, Christelle; Weber, Michel J.
CORPORATE SOURCE: Laboratoire de Biologie Moleculaire Eucaryote, CNRS UPR 9006, Toulouse, 31062, Fr.
SOURCE: Molecular and Cellular Biology (1999), 19(5), 3474-3484
CODEN: MCEBD4; ISSN: 0270-7306
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(transcriptional effects of histone deacetylase inhibitors are mediated through the activation of MEK1 and of an H7-sensitive protein kinase in addition to protein phosphatases)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 86 THERE ARE 86 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

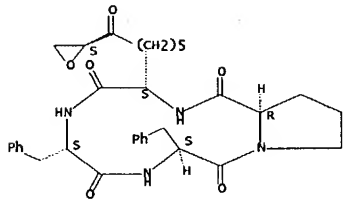
L6 ANSWER 32 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:254052 HCAPLUS Full-text
DOCUMENT NUMBER: 130:291581
TITLE: Synergistic drug combinations for therapy of tumors
INVENTOR(S): van der Bosch, Juergen; Rueller, Stephan; Schlaak, Max
PATENT ASSIGNEE(S): Forschungszentrum Borstel Zentrum fuer Medizin und Biowissenschaften, Germany
SOURCE: Ger. offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19744676	A1	19990415	DE 1997-19744676	19971010 <--
EP 919244	A2	19990602	EP 1998-250357	19981009 <--
EP 919244	A3	20000329		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: DE 1997-19744676 19971010
OTHER SOURCE(S): MARPAT 130:291581
IT 133155-90-5, Trapoxin B
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(synergistic drug combinations for therapy of tumors)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 33 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:184270 HCAPLUS Full-text
DOCUMENT NUMBER: 130:237885
TITLE: Preparation of novel cyclic tetrapeptide derivatives as histone deacetylase inhibitors and MHC class-1 molecule expression promoters
INVENTOR(S): Nishino, Norikazu; Yoshida, Minoru; Horinouchi, Sueharu; Komatsu, Yasuhiko; Mimoto, Tsutomu
PATENT ASSIGNEE(S): Japan Energy Corporation, Japan
SOURCE: PCT Int. Appl., 97 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9911659	A1	19990311	WO 1998-JP3893	19980901 <--

W: AU, CA, JP, KR, NO, NZ, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE

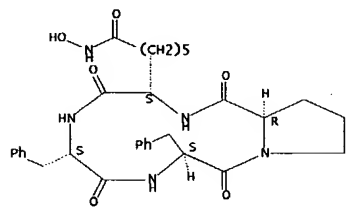
CA 2302451	AA	19990311	CA 1998-2302451	19980901 <--
AU 9888885	A1	19990322	AU 1998-88885	19980901 <--
AU 732299	B2	20010412		
EP 1010705	A1	20000621	EP 1998-940649	19980901 <--

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

NZ 503061	A	20010831	NZ 1998-503061	19980901 <--
JP 3494624	B2	20040209	JP 2000-508697	19980901
ZA 9808023	A	19990302	ZA 1998-8023	19980902 <--
NO 2000001045	A	20000427	NO 2000-1045	20000301 <--
US 6399568	B1	20020604	US 2000-486783	20000301

PRIORITY APPLN. INFO.: JP 1997-237481 A 19970902
JP 1998-63270 A 19980313
WO 1998-JP3893 W 19980901
OTHER SOURCE(S): MARPAT 130:237885
IT 221186-39-6P 221186-42-1P 221186-43-2P 221186-50-1P 221186-51-2P 221186-56-7P 221186-57-8P 221186-58-9P 221186-59-0P 221186-62-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of novel cyclic tetrapeptide derivs. as histone deacetylase inhibitors and MHC class-1 mol. expression promoters and anticancer agents)
RN 221186-39-6 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

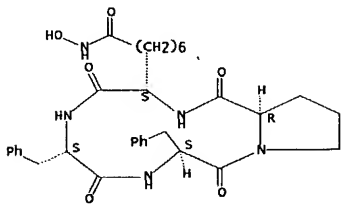
Absolute stereochemistry.



RN 221186-42-1 HCAPLUS
CN Cyclo[(2S)-2-amino-9-(hydroxyamino)-9-oxononanoyl-L-

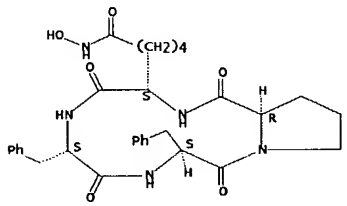
phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



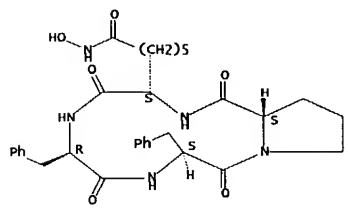
RN 221186-43-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-(hydroxyamino)-7-oxoheptanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



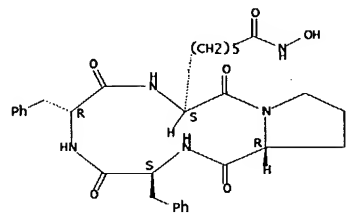
RN 221186-50-1 HCAPLUS
CN Cyclo(N6-acetyl-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl) (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



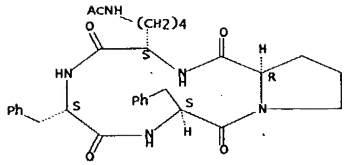
RN 221186-57-8 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-prolyl-L-phenylalanyl-
D-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



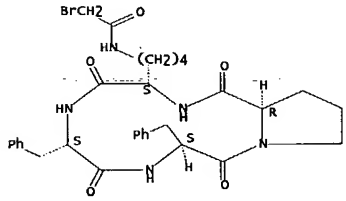
RN 221186-58-9 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-phenylalanyl-D-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



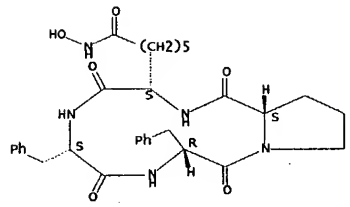
RN 221186-51-2 HCAPLUS
CN Cyclo[N6-(bromoacetyl)-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl]
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



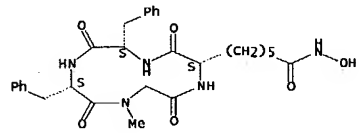
RN 221186-56-7 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



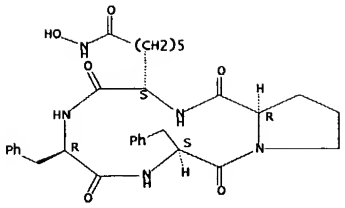
RN 221186-59-0 HCAPLUS
CN Cyclo[N-methylglycyl-(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-L-
phenylalanyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



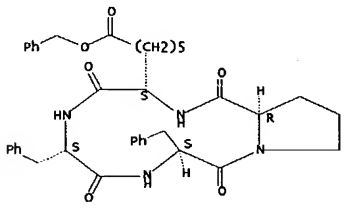
RN 221186-62-5 HCAPLUS
CN Cyclo[(2S)-2-amino-8-(hydroxyamino)-8-oxooctanoyl-D-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



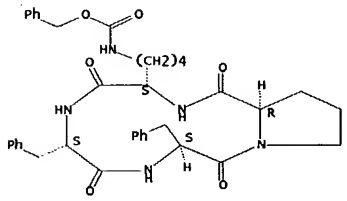
IT 221186-84-1P 221186-85-2P 221187-01-5P
221187-02-6P 221187-17-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of novel cyclic tetrapeptide derivs. as histone deacetylase
inhibitors and MHC class-1 mol. expression promoters and anticancer
agents)
RN 221186-84-1 HCAPLUS
CN Cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-L-phenylalanyl-L-
phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



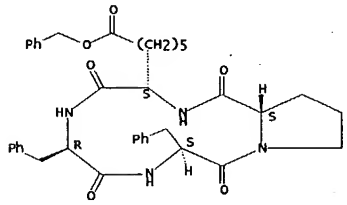
RN 221186-85-2 HCAPLUS
CN Cyclo[(2S)-2-amino-7-carboxyheptanoyl-L-phenylalanyl-L-phenylalanyl-D-
prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



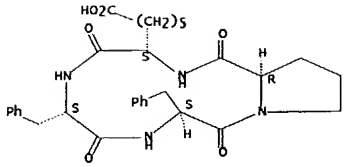
RN 221187-17-3 HCAPLUS
CN Cyclo[(2S)-2-amino-8-oxo-8-(phenylmethoxy)octanoyl-D-phenylalanyl-L-
phenylalanyl-L-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



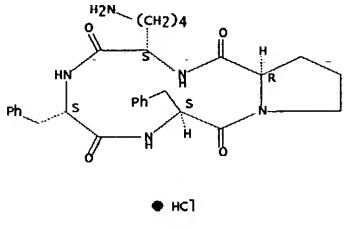
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 34 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:795489 HCAPLUS Full-text
DOCUMENT NUMBER: 130:81890
TITLE: Preparation of cyclic peptides and their uses as
analgesics acting on μ-opioid receptor
INVENTOR(S): Sasaki, Jun; Matsumura, Yasushi
PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent



RN 221187-01-5 HCAPLUS
CN Cyclo(L-lysyl-L-phenylalanyl-L-phenylalanyl-D-prolyl), monohydrochloride
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

RN 221187-02-6 HCAPLUS
CN Cyclo[N6-[(phenylmethoxy)carbonyl]-L-lysyl-L-phenylalanyl-L-phenylalanyl-D-
prolyl] (9CI) (CA INDEX NAME)

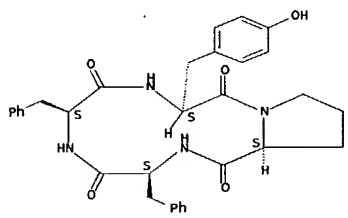
Absolute stereochemistry.

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10330398	A2	19981215	JP 1997-138870	19970528 <--

PRIORITY APPLN. INFO.: JP 1997-138870 19970528
OTHER SOURCE(S): MARPAT 130:81890
IT 218967-79-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); IMF (Industrial manufacture); SPN (Synthetic
preparation); THU (Therapeutic use); BIOL (Biological study); PREP
(Preparation); USES (Uses)
(preparation of cyclic peptides resistant to enzymic decomposition as
morphine-like analgesics)
RN 218967-79-4 HCAPLUS
CN Cyclo(L-phenylalanyl-L-phenylalanyl-L-tyrosyl-L-prolyl) (9CI) (CA INDEX
NAME)

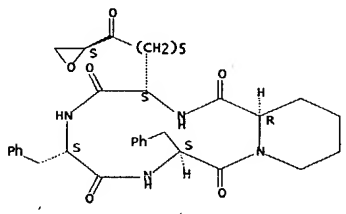
Absolute stereochemistry.



L6 ANSWER 35 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:235986 HCAPLUS Full-text
DOCUMENT NUMBER: 129:12363
TITLE: Depudecin induces morphological reversion of transformed fibroblasts via the inhibition of histone
deacetylase
AUTHOR(S): Kwon, Ho Jeong; Owa, Takashi; Hassig,

Christian A.;
Shimada, Junichi; Schreiber, Stuart L.
CORPORATE SOURCE: Howard Hughes Medical Institute, Department of
Chemistry and Chemical Biology, Harvard University,
Cambridge, MA, 02138, USA
SOURCE: Proceedings of the National Academy of Sciences of the
United States of America (1998), 95(7), 3356-3361
CODEN: PNASA6; ISSN: 0027-8424
PUBLISHER: National Academy of Sciences
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(comparison with; depudecin induces morphol. reversion of transformed
fibroblasts via the inhibition of histone deacetylase)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

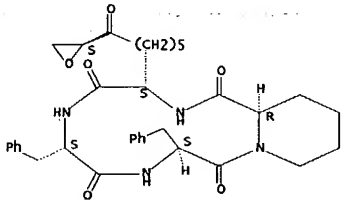
Absolute stereochemistry.



REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 36 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:192372 HCAPLUS Full-text
DOCUMENT NUMBER: 128:239941
TITLE: Histone deacetylase and its inhibitors. Trichostatin
and trapoxin as novel bioprobes for histone acetylation
AUTHOR(S): Yoshida, Minoru; Horinouchi, Sueharu
CORPORATE SOURCE: Grad. Sch. Agric. Life Sci., Univ. Tokyo, Tokyo, 113,
Japan
SOURCE: Jikken Igaku (1998), 16(6), 781-785
CODEN: JIIGEF; ISSN: 0288-5514
PUBLISHER: Yodosha
DOCUMENT TYPE: Journal; General Review
LANGUAGE: Japanese
IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(histone deacetylase and its inhibitors, trichostatin and trapoxin, as
novel bioprobes for histone acetylation)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



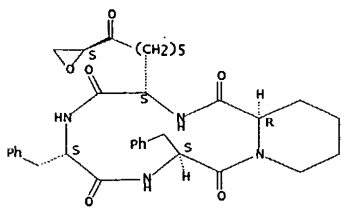
L6 ANSWER 37 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:180637 HCAPLUS Full-text
DOCUMENT NUMBER: 128:226265
TITLE: Use of histone deacetylase inhibitors for treating
fibrosis or cirrhosis
INVENTOR(S): Geerts, Albert Emmanuel Corneille; Niki, Toshiro
PATENT ASSIGNEE(S): Vrije Universiteit Brussel, Belg.
SOURCE: Eur. Pat. Appl., 6 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 827742	A1	19980311	EP 1996-202460	19960904 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
EP 827743	A1	19980311	EP 1997-202644	19970829 <--
EP 827743	B1	20040616		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AT 269070	E	20040715	AT 1997-202644	19970829
JP 10114681	A2	19980506	JP 1997-239547	19970904 <--
PRIORITY APPLN. INFO.:			EP 1996-202460 A	19960904

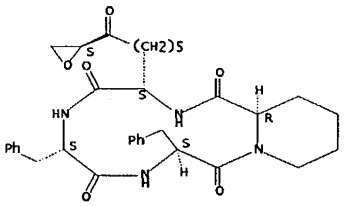
IT 133155-89-2, Trapoxin A 133155-89-2D, Magnesium complexes 204780-21-2 204780-22-3 204780-23-4 204780-24-5 204780-25-6 204780-26-7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(histone deacetylase inhibitors for treatment of fibrosis or cirrhosis)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



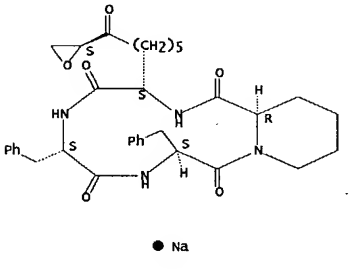
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 204780-21-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], monosodium salt (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

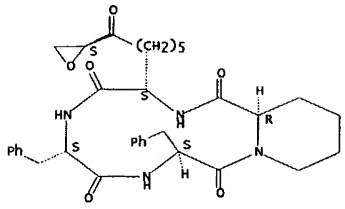


● Na

RN 204780-22-3 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], monopotassium salt (9CI) (CA

INDEX NAME)

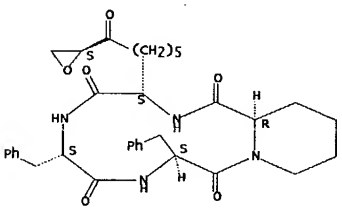
Absolute stereochemistry.



● K

RN 204780-23-4 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], calcium salt (2:1) (9CI) (CA INDEX NAME)

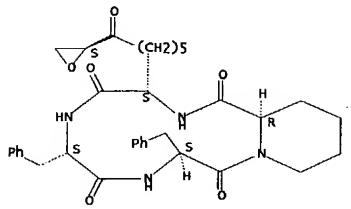
Absolute stereochemistry.



●1/2 Ca

RN 204780-24-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], monoammonium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



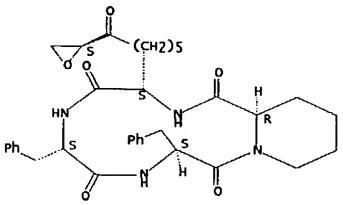
● NH3

RN 204780-25-6 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 133155-89-2
CMF C34 H42 N4 O6

Absolute stereochemistry.



CM 2

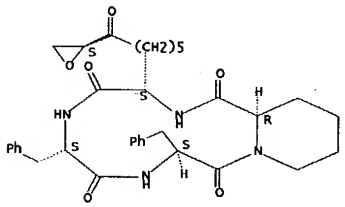
CRN 121-44-8
CMF C6 H15 N

RN 204780-26-7 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl], compd. with 2-aminoethanol (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 133155-89-2
CMF C34 H42 N4 O6

Absolute stereochemistry.



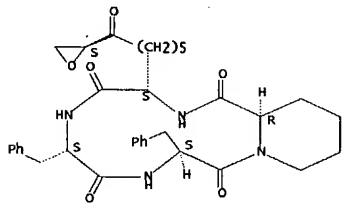
CM 2

CRN 141-43-5
CMF C2 H7 N O

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 38 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:166323 HCAPLUS Full-text
DOCUMENT NUMBER: 128:200453
TITLE: Cell cycle inhibitors
AUTHOR(S): Yoshida, Minoru
CORPORATE SOURCE: Grad. Sch. Agrobiol., Univ. Tokyo, Japan
SOURCE: Ketsueki, Men'eki, Shuyo (1996), 1(2), 184-191
CODEN: KMSHF6; ISSN: 1341-5824
PUBLISHER: Medikaru Rebyusha
DOCUMENT TYPE: Journal; General Review
LANGUAGE: Japanese
IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cell cycle inhibitors)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

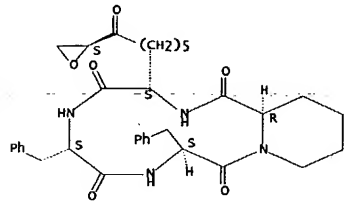
Absolute stereochemistry.



L6 ANSWER 39 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:113059 HCAPLUS Full-text
DOCUMENT NUMBER: 128:229076
TITLE: Modulation of galectin-1 content in human head and neck squamous carcinoma cells by sodium butyrate
AUTHOR(S): Gillenwater, Ann; Xu, Xiao-Chun; Estrov, Yuval; Sacks, Peter G.; Lotan, Dafna; Lotan, Reuben
CORPORATE SOURCE: Department of Tumor Biology, University of Texas M.D. Anderson Cancer Center, Houston, TX, 77030,

USA
SOURCE: International Journal of Cancer (1998), 75(2), 217-224
CODEN: IJCNAW; ISSN: 0020-7136
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin a
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(butyrate modulation of galectin-1 in human head and neck squamous carcinoma cells)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



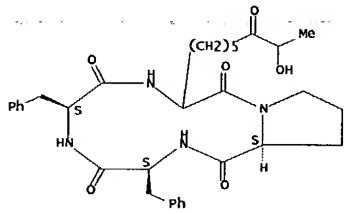
REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 40 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:746618 HCAPLUS Full-text
DOCUMENT NUMBER: 127:341784
TITLE: Cyclic tetrapeptides having antiprotozoal activity
INVENTOR(S): Meinke, Peter T.; Rattray, Sandra J.; Schmatz, Dennis M.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: Brit. UK Pat. Appl., 27 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2309696	A1	19970806	GB 1997-1197	19970121 <--
GB 2309696	B2	20000223		
US 5922837	A	19990713	US 1997-789347	19970127 <--

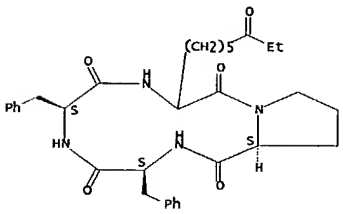
PRIORITY APPLN. INFO.: US 1996-10931P P 19960131
GB 1996-18301 A 19960902
OTHER SOURCE(S): MARPAT 127:341784
IT 198198-79-7 198198-80-0
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cyclic tetrapeptides having antiprotozoal activity)
RN 198198-79-7 HCAPLUS
CN Cyclo(2-amino-9-hydroxy-8-oxodecanoyl-L-prolyl-L-phenylalanyl-L-phenylalanyl) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 198198-80-0 HCAPLUS
CN Cyclo(2-amino-8-oxodecanoyl-L-prolyl-L-phenylalanyl-L-phenylalanyl) (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



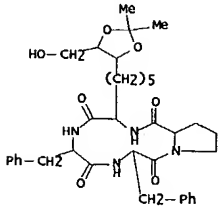
L6 ANSWER 41 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:650463 HCAPLUS Full-text
DOCUMENT NUMBER: 127:315587
TITLE: Human histone deacetylase genes and their protein interactions and uses for the inhibition of cellular proliferation and drug screening
INVENTOR(S): Schreiber, Stuart L.; Taunton, Jack; Hassig, Christian A.; Jamison, Timothy F.
PATENT ASSIGNEE(S): President and Fellows of Harvard College, USA; Schreiber, Stuart L.; Taunton, Jack; Hassig, Christian A.; Jamison, Timothy F.
SOURCE: PCT Int. Appl., 159 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9735990	A2	19971002	WO 1997-US5275	19970326 <--
WO 9735990	A3	19980326		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN,
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

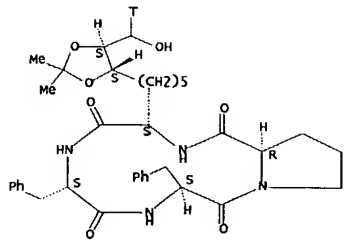
US 6777217	B1	20040817	US 1996-624735	19960326
AU 9729905	A1	19971017	AU 1997-29905	19970326 <--

PRIORITY APPLN. INFO.: US 1996-624735 A 19960326
WO 1997-US5275 W 19970326
OTHER SOURCE(S): MARPAT 127:315587
IT 183609-81-6P 197631-11-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(chemical synthesis of tritylated trapoxin; human histone deacetylase genes and their protein interactions and uses for the inhibition of cellular proliferation and drug screening)
RN 183609-81-6 HCAPLUS
CN Cyclo[(αS,4S,5S)-α-amino-5-(hydroxymethyl)-2,2-dimethyl-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)



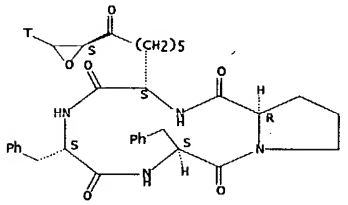
RN 197631-11-1 HCAPLUS
CN Cyclo[(αS,4S,5S)-α-amino-5-(hydroxymethyl-t)-2,2-dimethyl-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



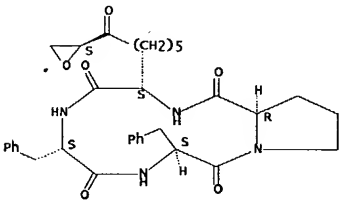
IT 183609-51-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(chemical synthesis of tritylated trapoxin; human histone deacetylase
genes and their protein interactions and uses for the inhibition of
cellular proliferation and drug screening)
RN 183609-51-0 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 133155-90-5D, Trapoxin B, analogs
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
(Biological study); PROC (Process)
(human histone deacetylase genes and their protein interactions and
uses for the inhibition of cellular proliferation and drug screening)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



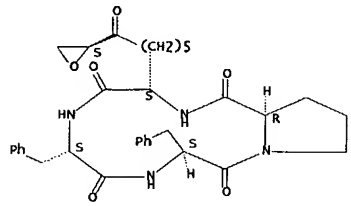
REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 43 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:342361 HCAPLUS Full-text
DOCUMENT NUMBER: 126:312246
TITLE: Histone deacetylase as target for antiprotozoal
agents, and antiprotozoal compound identification method
INVENTOR(S): Dulski, Paula M.; Gurnett, Anne M.; Myers, Robert W.;
Rattray, Sandra J.; Schmatz, Dennis M.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA; Dulski, Paula M.; Gurnett,
Anne M.; Myers, Robert W.; Rattray, Sandra J.;
Schmatz, Dennis M.
SOURCE: PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9711366	A1	19970327	WO 1996-US14826	19960916 <--
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2231251	AA	19970327	CA 1996-2231251	19960916 <--
AU 9669790	A1	19970409	AU 1996-69790	19960916 <--
AU 712801	B2	19991118		
EP 855024	A1	19980729	EP 1996-930894	19960916 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11514857	T2	19991221	JP 1996-512810	19960916 <--
US 6428983	B1	20020806	US 1999-296834	19990422
PRIORITY APPLN. INFO.:			US 1995-4065P	P 19950920
			GB 1996-2974	A 19960213
			WO 1996-US14826	W 19960916
			US 1996-716978	A3 19960920

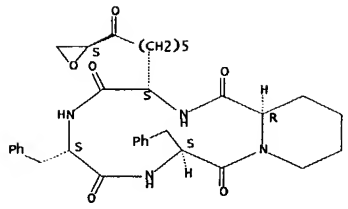
IT 133155-89-2
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES
(Uses)
(histone deacetylase as target for antiprotozoal agents, and
antiprotozoal compound identification method)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



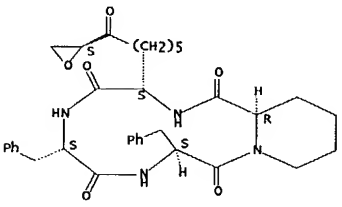
L6 ANSWER 42 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:468977 HCAPLUS Full-text
DOCUMENT NUMBER: 127:162081
TITLE: Analogs of trichostatin A and trapoxin B as histone
deacetylase inhibitors
AUTHOR(S): Jung, Manfred; Hoffmann, Katharina; Brosch, Gerald;
Loidl, Peter
CORPORATE SOURCE: Department of Pharmaceutical Chemistry, University of
Munster, Munster, 48149, Germany
SOURCE: Bioorganic & Medicinal Chemistry Letters (1997
), 7(13), 1655-1658
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 133155-90-5DP, Trapoxin B, analogs
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation)
(preparation of trichostatin A and trapoxin B analogs as histone deacetylase
inhibitors)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)



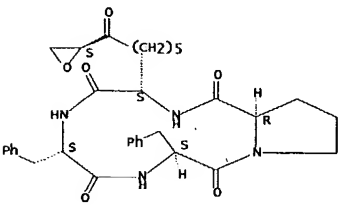
L6 ANSWER 44 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:235308 HCAPLUS Full-text
DOCUMENT NUMBER: 126:327169
TITLE: Natural born epoxides: synthetic and biological studies of dynemicin A and trapoxin B
AUTHOR(S): Taunton, Jack
CORPORATE SOURCE: Harvard Univ., Cambridge, MA, USA
SOURCE: (1996) 163 pp. Avail.: Univ. Microfilms Int., Order No. DA9710482 From: Diss. Abstr. Int., B 1997, 57(10), 6245
DOCUMENT TYPE: Dissertation
LANGUAGE: English
IT 133155-90-5P, Trapoxin B
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);
BIOL (Biological study); PREP (Preparation)
(synthetic and biol. studies of epoxides dynemicin A and trapoxin B)
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

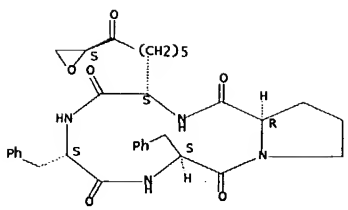


RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 46 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:616695 HCAPLUS Full-text
DOCUMENT NUMBER: 126:8585
TITLE: Synthesis of Natural and Modified Trapoxins, Useful Reagents for Exploring Histone Deacetylase Function
AUTHOR(S): Taunton, Jack; Collins, Jon L.; Schreiber, Stuart L.
CORPORATE SOURCE: Howard Hughes Medical Institute, Harvard University, Cambridge, MA, 02138, USA



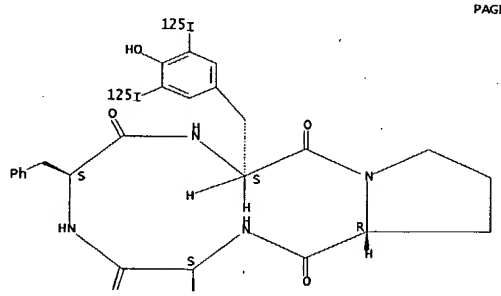
L6 ANSWER 45 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:701123 HCAPLUS Full-text
DOCUMENT NUMBER: 125:339025
TITLE: Metallothionein formation inducers for alleviation of adverse effects of anticancer agents
INVENTOR(S): Naganuma, Akira; Imura, Nobumasa; Koyama, Masao; Yoshida, Shigemi
PATENT ASSIGNEE(S): Meiji Seika Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

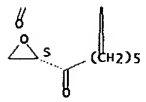
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08239326	A2	19960917	JP 1995-44535	19950303 <--

PRIORITY APPLN. INFO.: JP 1995-44535 19950303
OTHER SOURCE(S): MARPAT 125:339025
IT 133155-89-2, Trapoxin A 133155-90-5, Trapoxin B
RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cyclic peptides as metallothionein formation inducers for alleviation of side effects of anticancer agents)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

SOURCE: Journal of the American Chemical Society (1996), 118(43), 10412-10422
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 183609-96-3P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of natural and modified trapoxins as useful reagents for exploring histone deacetylase function)
RN 183609-96-3 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-3,5-di(iodo-125I)-L-tyrosyl-D-prolyl] (9CI) (CA INDEX NAME)

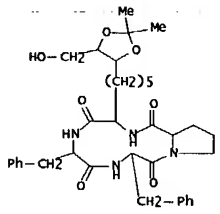
Absolute stereochemistry.



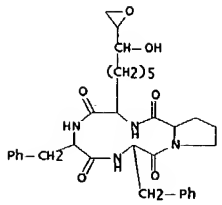


IT 183609-81-6P 183609-83-8P 183609-95-2P
183610-00-6P 183610-01-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation of natural and modified trapoxins as useful reagents for
exploring histone deacetylase function)

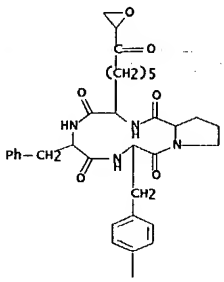
RN 183609-81-6 HCAPLUS
CN Cyclo[(αS,4S,5S)-α-amino-5-(hydroxymethyl)-2,2-dimethyl-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

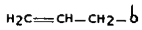


RN 183609-83-8 HCAPLUS
CN Cyclo[(αS,ηS,2S)-α-amino-η-hydroxyoxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

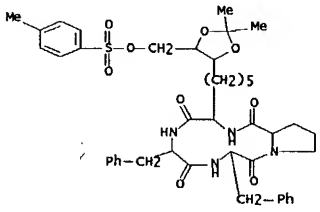


RN 183609-95-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-O-2-propenyl-L-tyrosyl-D-prolyl] (9CI) (CA INDEX NAME)



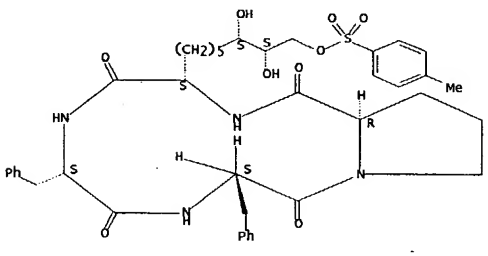


RN 183610-00-6 HCAPLUS
CN Cyclo[(αS,4S,5S)-α-amino-2,2-dimethyl-5-[[[(4-methylphenyl)sulfonyl]oxy]methyl]-1,3-dioxolane-4-heptanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)



RN 183610-01-7 HCAPLUS
CN Cyclo[(2S,8S,9S)-2-amino-8,9-dihydroxy-10-[[(4-methylphenyl)sulfonyl]oxy]decanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl]
(9CI) (CA INDEX NAME)

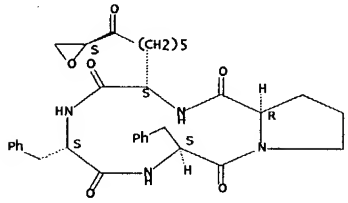
Absolute stereochemistry.



IT 133155-90-5P 183609-51-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of natural and modified trapoxins as useful reagents for
exploring histone deacetylase function)

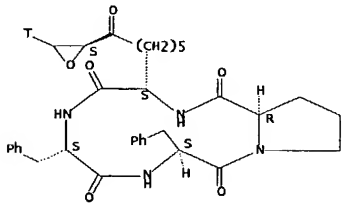
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 183609-51-0 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

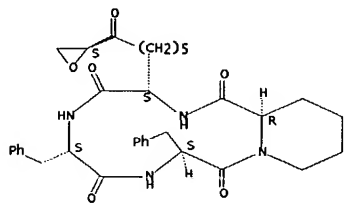


REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

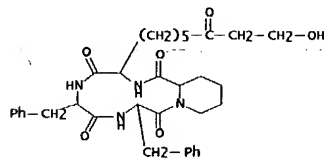
L6 ANSWER 47 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:361850 HCAPLUS Full-text
DOCUMENT NUMBER: 125:50622
TITLE: Histone hyperacetylating agents stimulate promoter activity of human choline acetyltransferase gene in

transfection experiments
AUTHOR(S): Chireux, Maxime; Espinos, Estelle; Bloch, Stephane;
Yoshida, Minoru; Weber, Michel J.
CORPORATE SOURCE: Laboratoire de Biologie Moleculaire Eucaryote, Centre
National de la Recherche Scientifique, 118 route de
Narbonne, Toulouse, 31062, Fr.
SOURCE: Molecular Brain Research (1996), 39(1,2), 68-78
CODEN: MBREE4; ISSN: 0169-328X
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(histone hyperacetylating agents stimulate promoter activity of human
choline acetyltransferase gene in transfection expts.)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



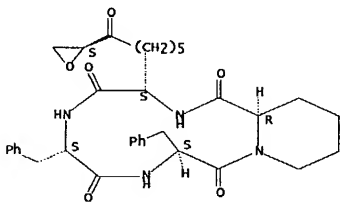
L6 ANSWER 48 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:333444 HCAPLUS Full-text
DOCUMENT NUMBER: 125:27512
TITLE: The expression of a small fraction of cellular genes
is changed in response to histone hyperacetylation
AUTHOR(S): Van Lint, Carine; Emiliani, Stephane; Verdin, Eric
CORPORATE SOURCE: Laboratory of Molecular Virology, Picower Institute
for Medical Research, Manhasset, NY, 11030, USA
SOURCE: Gene Expression (1996), 5(4/5), 245-253
CODEN: GEEXEJ; ISSN: 1052-2166
PUBLISHER: Cognizant Communication Corp.
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133213-82-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(two new specific inhibitors of histone deacetylase, trichostatin A
(TSA) and trapoxin (TPX), were used to probe the effect of histone
hyperacetylation on gene expression)
RN 133213-82-8 HCAPLUS
CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-
(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)



L6 ANSWER 49 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:243301 HCAPLUS Full-text
DOCUMENT NUMBER: 124:309108
TITLE: A mammalian histone deacetylase related to the yeast
transcriptional regulator Rpd3p
AUTHOR(S): Taunton, Jack; Hassig, Christian A.; Schreiber, Stuart
L.
CORPORATE SOURCE: Howard Hughes Med. Inst., Harvard Univ., Cambridge,
MA, 02138, USA
SOURCE: Science (Washington, D. C.) (1996), 272(5260), 408-11
CODEN: SCIEAS; ISSN: 0036-8075
PUBLISHER: American Association for the Advancement of Science
DOCUMENT TYPE: Journal
LANGUAGE: English

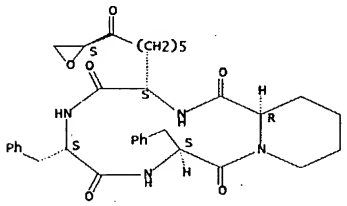
IT 133155-89-2
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(a mammalian histone deacetylase related to yeast transcriptional
regulator Rpd3p)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



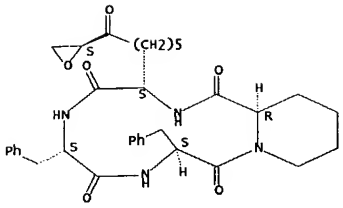
L6 ANSWER 50 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:683847 HCAPLUS Full-text
DOCUMENT NUMBER: 123:106826
TITLE: Trichostatin A and trapoxin: Novel chemical probes for
the role of histone acetylation in chromatin structure
and function
AUTHOR(S): Yoshida, Minoru; Horinouchi, Sueharu; Beppu, Teruhiko
CORPORATE SOURCE: Department Biotechnology, University Tokyo, Bunkyo,
113, Japan
SOURCE: BioEssays (1995), 17(5), 423-30
CODEN: BIOEEJ; ISSN: 0265-9247
PUBLISHER: Company of Biologists
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(trichostatin A and trapoxin are chemical probes for the role of histone
acetylation in chromatin structure and function)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



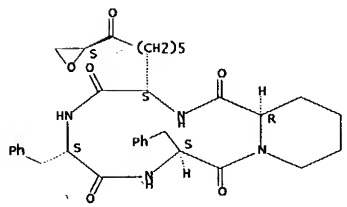
L6 ANSWER 51 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:322995 HCAPLUS Full-text
DOCUMENT NUMBER: 122:103364
TITLE: Cell cycle inhibitors
AUTHOR(S): Yoshida, Minoru
CORPORATE SOURCE: Agric. Coll., Tokyo Univ., Tokyo, Japan
SOURCE: Medical Immunology (1994), 28(2), 297-307
CODEN: MEIME4; ISSN: 0910-3740
PUBLISHER: Kokusai Isho Shuppan
DOCUMENT TYPE: Journal; General Review
LANGUAGE: Japanese
IT 133155-89-2D, Trapoxin A, analogs
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(cell cycle process or checkpoint inhibitors)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

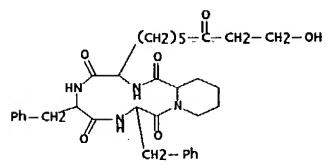


L6 ANSWER 52 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:164873 HCAPLUS Full-text
DOCUMENT NUMBER: 120:164873
TITLE: How to perform small peptide cyclizations
AUTHOR(S): Cavelier-Frontin, Florine; Achmad, Sadijah; Verducci, Jean; Jacquier, Robert; Pepe, Gerard
CORPORATE SOURCE: URA-CNRS 468 Aminoacides et peptides, Universite Montpellier II, Place Eugene Bataillon, Montpellier, 34095/05, Fr.
SOURCE: THEOCHEM (1993), 105(1-3), 125-30
CODEN: THEODJ; ISSN: 0166-1280
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 153586-85-7
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, effect of temporary protection on conformations for)
RN 153586-85-7 HCAPLUS
CN Cyclo[L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl-N-[(1,1-dimethylethoxy)carbonyl]-L-phenylalanyl] (9CI) (CA INDEX NAME)

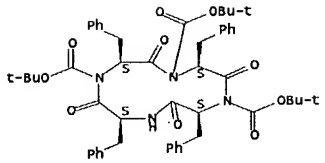
Absolute stereochemistry.



IT 133213-82-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of and histone deacetylase response to)
RN 133213-82-8 HCAPLUS
CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)



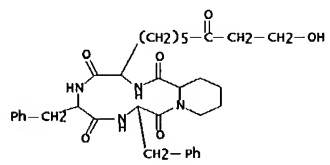
L6 ANSWER 54 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:439924 HCAPLUS Full-text
DOCUMENT NUMBER: 117:39924
TITLE: A novel tetracyclic peptide, trapoxin, induces phenotypic change from transformed to normal in sis-oncogene-transformed NIH3T3 cells
AUTHOR(S): Yoshida, Hiroshi; Sugita, Kenji
CORPORATE SOURCE: Dep. Microbiol., Shionogi and Co. Ltd., Osaka, 553, Japan
SOURCE: Japanese Journal of Cancer Research (1992), 83(4), 324-8
CODEN: JJCREP; ISSN: 0910-5050
DOCUMENT TYPE: Journal



L6 ANSWER 53 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1993:573718 HCAPLUS Full-text
DOCUMENT NUMBER: 119:173718
TITLE: Trapoxin, an antitumor cyclic tetrapeptide, is an irreversible inhibitor of mammalian histone deacetylase
AUTHOR(S): Kijima, Masako; Yoshida, Minoru; Sugita, Kenji; Horinouchi, Sueharu; Beppu, Teruhiko
CORPORATE SOURCE: Fac. Agric., Univ. Tokyo, Tokyo, 113, Japan
SOURCE: Journal of Biological Chemistry (1993), 268(30), 22429-35
CODEN: JBCHA3; ISSN: 0021-9258
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2
RL: BIOL (Biological study)
(histone deacetylase inhibition by, cell division and differentiation inhibition in relation to)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

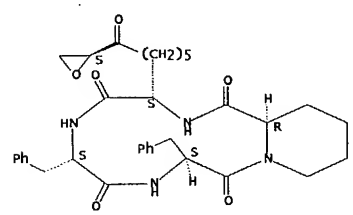
Absolute stereochemistry.

LANGUAGE: English
IT 133213-82-8
RL: BIOL (Biological study)
(neoplastic and transformation of NIH3T3 cells response to, structure in relation to)
RN 133213-82-8 HCAPLUS
CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)



IT 133155-89-2 133155-90-5
RL: BIOL (Biological study)
(phenotypic change from transformed to normal in sis oncogene-transformed NIH3T3 cells induction by, structure in relation to)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

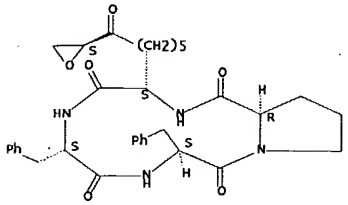
Absolute stereochemistry.



RN 133155-90-5 HCAPLUS

CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

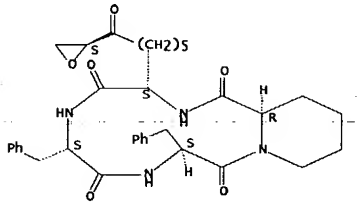


L6 ANSWER 55 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:512813 HCAPLUS Full-text
DOCUMENT NUMBER: 115:112813
TITLE: Cyclic tetrapeptides having detransforming activity and their manufacture with Helicoma
INVENTOR(S): Sugita, Kenji; Itazaki, Hiroshi; Matsumoto, Koichi; Kawamura, Yoshimi
PATENT ASSIGNEE(S): Shionogi and Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 406725	A1	19910109	EP 1990-112472	19900629 <--
EP 406725	B1	19940316		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 03034991	A2	19910214	JP 1989-170930	19890630 <--
US 5112944	A	19920512	US 1990-536764	19900612 <--
AT 102955	E	19940415	AT 1990-112472	19900629 <--
ES 2053018	T3	19940716	ES 1990-112472	19900629 <--

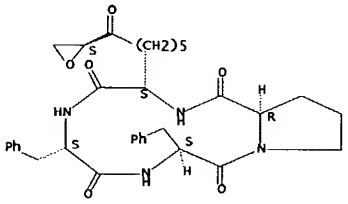
PRIORITY APPLN. INFO.: JP 1989-170930 A 19890630
EP 1990-112472 A 19900629
OTHER SOURCE(S): MARPAT 115:112813
IT 133155-89-2P, RF 1023A 133155-90-5P, RF 1023B
RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP (Preparation)
(manufacture of, with Helicoma ambiens, as oncogenic transformation and cell growth inhibitor)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



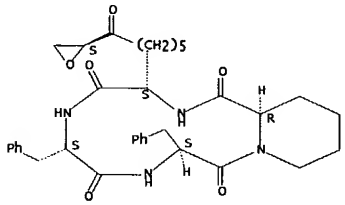
RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



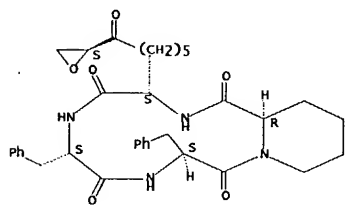
L6 ANSWER 56 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:492943 HCAPLUS Full-text
DOCUMENT NUMBER: 115:92943
TITLE: Structure of a new cyclotetrapeptide trapoxin A
AUTHOR(S): Nakai, Hiroshi; Nagashima, Kazuo; Itazaki, Hiroshi
CORPORATE SOURCE: Shionogi Res. Lab., Shionogi and Co., Ltd., Osaka, 553, Japan
SOURCE: Acta Crystallographica, Section C: Crystal Structure Communications (1991), C47(7), 1496-9
CODEN: ACSCEE; ISSN: 0108-2701
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2, Trapoxin A
RL: PRP (Properties)
(crystal and mol. structure of)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.



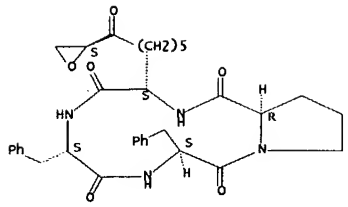
L6 ANSWER 57 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1991:159294 HCAPLUS Full-text
DOCUMENT NUMBER: 114:159294
TITLE: Isolation and structural elucidation of new cyclotetrapeptides, trapoxins A and B, having detransformation activities as antitumor agents
AUTHOR(S): Itazaki, Hiroshi; Nagashima, Kazuo; Sugita, Kenji; Yoshida, Hiroshi; Kawamura, Yoshimi; Yasuda, Yukio; Matsumoto, Koichi; Ishii, Kikuo; Uotani, Nobuo; et al.
CORPORATE SOURCE: Shionogi Res. Lab., Shionogi and Co., Ltd., Osaka, 553, Japan
SOURCE: Journal of Antibiotics (1990), 43(12), 1524-32
CODEN: JANTAJ; ISSN: 0021-8820
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 133155-89-2P 133155-90-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)
(isolation and properties and antitumor activity of, of Helioma ambiens)
RN 133155-89-2 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

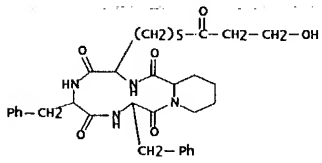


RN 133155-90-5 HCAPLUS
CN Cyclo[(αS,2S)-α-amino-η-oxooxiraneoctanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)

Absolute stereochemistry.

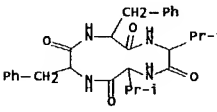


IT 133213-82-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 133213-82-8 HCAPLUS
CN Cyclo[(2S)-2-amino-10-hydroxy-8-oxodecanoyl-L-phenylalanyl-L-phenylalanyl-
(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)



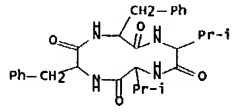
L6 ANSWER 58 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1980:406071 HCAPLUS Full-text
DOCUMENT NUMBER: 93:6071
TITLE: Gushing-inducing peptides in beer produced by
Penicillium chrysogenum
AUTHOR(S): Kitabatake, Katsuaki; Fukushima, Shuji; Kawasaki,
Ichiro; Amaha, Mikio
CORPORATE SOURCE: Cent. Res. Lab., Asahi Brew. Ltd., Tokyo, 143, Japan
SOURCE: Peptide Chemistry (1980), Volume Date 1979, 17th, 7-12
CODEN: PECHDP; ISSN: 0388-3698
DOCUMENT TYPE: Journal
LANGUAGE: English

TITLE: Synthesis of biologically active cyclic peptides and
depsipeptides by the phosphite method
AUTHOR(S): Rothe, M.; Kreiss, W.
CORPORATE SOURCE: Org.-Chem. Inst., Univ. Mainz, Mainz, Fed. Rep. Ger.
SOURCE: Pept., Proc. Eur. Pept. Symp., 14th (1976), 71-8. Editor(s): Loffet, Albert. Editions Univ.
Bruxelles: Brussels, Belg.
CODEN: 36PZAV
DOCUMENT TYPE: Conference
LANGUAGE: English
IT 24181-12-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by phosphite method)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX
NAME)

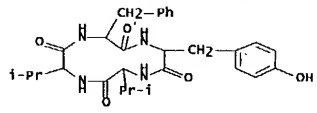


L6 ANSWER 60 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1969:524896 HCAPLUS Full-text
DOCUMENT NUMBER: 71:124896
TITLE: Synthesis and structure of fungisporin
AUTHOR(S): Studer, Rolf O.
CORPORATE SOURCE: Chem. Res. Dep., F. Hoffmann-La Roche and Co. A.-G.,
Basel, Switz.
SOURCE: Experientia (1969), 25(9), 899
CODEN: EXPEAM; ISSN: 0014-4754
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 24181-12-2
RL: PRP (Properties)
(structure of)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX
NAME)

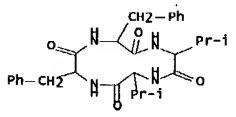
IT 24181-12-2
RL: BIOL (Biological study)
(beer gushing caused by, from Penicillium chrysogenum)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX
NAME)



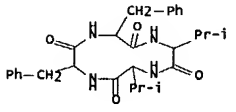
IT 73787-51-6 73804-19-0
RL: BIOL (Biological study)
(beer gushing induction by)
RN 73787-51-6 HCAPLUS
CN Cyclo(D-phenylalanyl-L-tyrosyl-D-valyl-L-valyl) (9CI) (CA INDEX
NAME)



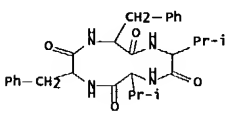
RN 73804-19-0 HCAPLUS
CN Cyclo(L-phenylalanyl-D-phenylalanyl-L-valyl-D-valyl) (9CI) (CA INDEX
NAME)



L6 ANSWER 59 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1978:23373 HCAPLUS Full-text
DOCUMENT NUMBER: 88:23373

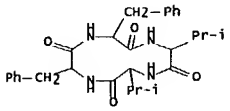


L6 ANSWER 61 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1961:20839 HCAPLUS Full-text
DOCUMENT NUMBER: 55:20839
ORIGINAL REFERENCE NO.: 55:4102g-i
TITLE: Monolayers of some cyclic peptides. Fungisporin and
gramicidin J1
AUTHOR(S): Ikeda, Shoichi; Isemura, Toshizo
CORPORATE SOURCE: Univ. Osaka
SOURCE: Bulletin of the Chemical Society of Japan (1960), 33, 753-60
CODEN: BCSJA8; ISSN: 0009-2673
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 24181-12-2, Fungisporin
(films (unimol.) of)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX
NAME)

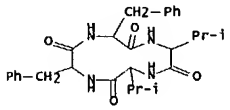


L6 ANSWER 62 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1960:97263 HCAPLUS Full-text
DOCUMENT NUMBER: 54:97263
ORIGINAL REFERENCE NO.: 54:18379g-h
TITLE: Fungisporin. III. The structure of fungisporin
AUTHOR(S): Miyao, Kohei
CORPORATE SOURCE: Univ. Tokyo
SOURCE: Bulletin of the Agricultural Chemical Society of Japan
(1960), 24, 23-30
CODEN: BACOAV; ISSN: 0375-8397
DOCUMENT TYPE: Journal

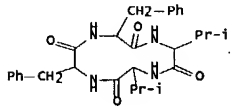
LANGUAGE: Unavailable
IT 24181-12-2, Fungisporin
(structure of)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



L6 ANSWER 63 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1956:90024 HCAPLUS Full-text
DOCUMENT NUMBER: 50:90024
ORIGINAL REFERENCE NO.: 50:16962b-c
TITLE: Fungisporin, II
AUTHOR(S): Miyao, Kohei
CORPORATE SOURCE: Univ. Tokyo
SOURCE: Bulletin of the Agricultural Chemical Society of Japan
(1955), 19, 86-91
CODEN: BACOAV; ISSN: 0375-8397
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
IT 24181-12-2, Fungisporin
(preparation of)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



L6 ANSWER 64 OF 64 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1953:55348 HCAPLUS Full-text
DOCUMENT NUMBER: 47:55348
ORIGINAL REFERENCE NO.: 47:9406i,9407a-b
TITLE: Fungisporin. I
AUTHOR(S): Sumiki, Yusuke; Miyao, Kohei
CORPORATE SOURCE: Univ. Tokyo
SOURCE: Nippon Nogei Kagaku Kaishi (1952), 26, 27-31
CODEN: NNKKAA; ISSN: 0002-1407
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
IT 24181-12-2, Fungisporin
(preparation of)
RN 24181-12-2 HCAPLUS
CN Cyclo(D-phenylalanyl-L-phenylalanyl-D-valyl-L-valyl) (9CI) (CA INDEX NAME)



=> DIS HIST

(FILE 'HOME' ENTERED AT 08:14:17 ON 08 DEC 2004)

FILE 'REGISTRY' ENTERED AT 08:14:37 ON 08 DEC 2004
L1 STRUCTURE UPLOADED
L2 6 S L1 SAM
L3 147 S L1 FUL

FILE 'HCAPLUS, BEILSTEIN' ENTERED AT 08:22:09 ON 08 DEC 2004
L4 96 S L3
L5 96 DUP REM L4 (0 DUPLICATES REMOVED)
L6 64 L4 AND PD<20020207

=>

=>
Executing the logoff script...

=> LOG H

	ENTRY	SESSION	TOTAL
COST IN U.S. DOLLARS	SINCE FILE		
FULL ESTIMATED COST	242.96		462.19
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE		
CA SUBSCRIBER PRICE	0.00		3.96

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:30:17 ON 08 DEC 2004